

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 16:40:29 ; Search time 68.2857 Seconds  
(without alignments)  
670.942 Million cell updates/sec

Title: US-09-974-619E-34

Perfect score: 28  
Sequence: 1 cacaagacccttctgtggagcactta 28

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*

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5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26.4	94.3	1599	4	US-09-023-655-1405
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6	26.4	94.3	35804	4	US-09-949-016-12962
7	21.8	77.9	429	3	US-09-144-367-7
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9	21.8	77.9	601	4	US-09-949-016-93502
10	21.8	77.9	1512	4	US-08-277-031B-4
11	21.8	77.9	2059	4	US-09-023-655-1062
12	21.8	77.9	2079	4	US-09-949-016-2691
13	21.8	77.9	2080	4	US-09-949-016-2690
14	21.8	77.9	2759	3	US-09-144-367-1
15	21.8	77.9	2768	4	US-09-949-016-1221
16	21.8	77.9	31197	4	US-09-949-016-12963
17	21.8	77.9	34172	4	US-09-949-016-14432
18	21.8	77.9	103934	4	US-09-949-016-14433
19	18.6	66.4	7542	3	US-09-734-030-3
20	18.6	66.4	7542	4	US-10-153-921-3
21	18.6	66.4	7542	4	US-10-669-689-3
22	18.2	65.0	601	4	US-09-949-016-63992
23	18.2	65.0	83428	4	US-09-949-016-13610
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25	18	64.3	239527	4	US-09-949-016-15980
26	17.6	62.9	601	4	US-09-949-016-142386
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28	17.6	62.9	47184	4	US-09-949-016-15531
29	17.6	62.9	211049	4	US-09-949-016-15770
30	17.6	62.9	1230025	4	US-09-198-452A-1
31	17.6	62.9	1230230	4	US-09-438-185A-1
32	17.4	62.1	601	4	US-09-949-016-157008
33	17.4	62.1	601	4	US-09-949-016-157054
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39	17.4	62.1	5285	2	US-08-609-049A-29
40	17.4	62.1	5285	3	US-08-170-996-29
41	17.4	62.1	7460	4	US-09-949-016-12375
42	17.4	62.1	7462	4	US-09-949-016-14384
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55	17	60.7	438	4	US-09-702-705-1549
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65	17	60.7	1871	2	US-08-474-988B-1
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93	16.8	60.0	1794	3	US-09-949-016-2083
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Sequence 6, Appli  
Sequence 1, Appli



## ALIGNMENTS

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RESULT 1
US-09-023-655-1405
; Sequence 1405, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1405:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1599 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 9438625
; US-09-023-655-1405

Query Match          94.3%; Score 26.4; DB 4; Length 1599;
Best Local Similarity 96.4%; Pred. No. 0.0078;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 2
US-09-023-655-1060
; Sequence 1060, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
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; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1060:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1707 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g181345
; US-09-023-655-1060

Query Match          94.3%; Score 26.4; DB 4; Length 1707;
Best Local Similarity 96.4%; Pred. No. 0.0079;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 3
US-09-949-016-121
; Sequence 121, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 121
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-121
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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 19:10:46 ; Search time 384.714 Seconds  
(without alignments)  
486.627 Million cell updates/sec

Title: US-09-974-619E-34

Perfect score: 28

Sequence: 1 cacaagacccttctgtgagagcactta 28

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7400704 seqs, 3343079526 residues

Total number of hits satisfying chosen parameters: 14801408

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA:\*

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- 26: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	26.4	94.3	441	21	US-10-696-639-1714
3	26.4	94.3	1525	9	US-09-880-107-3816
4	26.4	94.3	1595	15	US-10-106-698-1724
5	26.4	94.3	1599	18	US-10-641-643-1405
6	26.4	94.3	1707	9	US-09-880-107-2114
7	26.4	94.3	1707	18	US-10-641-643-1060

8	26.4	94.3	5799	22	US-10-450-763-14240	Sequence 14240, A
9	26.4	94.3	5799	22	US-10-450-763-15174	Sequence 15174, A
10	26.4	94.3	6637	22	US-10-450-763-6846	Sequence 6846, Ap
11	26.4	94.3	177531	21	US-10-484-577-660	Sequence 660, App
12	26.8	77.9	429	14	US-10-146-575-7	Sequence 7, Appli
13	21.8	77.9	987	17	US-10-188-359-198	Sequence 198, App
14	21.8	77.9	1190	16	US-10-120-804-12	Sequence 12, Appli
15	21.8	77.9	1458	20	US-10-690-991-1	Sequence 1, Appli
16	21.8	77.9	1458	21	US-10-833-296-1	Sequence 1, Appli
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18	21.8	77.9	1458	24	US-11-076-967-1	Sequence 1, Appli
19	21.8	77.9	1512	17	US-10-313-963A-55	Sequence 55, Appli
20	21.8	77.9	1608	20	US-10-335-053-301	Sequence 301, App
21	21.8	77.9	1971	9	US-09-954-456-184	Sequence 184, App
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24	21.8	77.9	1971	10	US-09-873-367C-651	Sequence 651, App
25	21.8	77.9	1971	21	US-10-843-641A-651	Sequence 651, App
26	21.8	77.9	1971	21	US-10-843-641A-3211	Sequence 3211, Ap
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32	21.8	77.9	2768	16	US-10-468-822-14	Sequence 14, Appli
33	21.8	77.9	2768	17	US-10-388-360-297	Sequence 297, App
34	21.8	77.9	2768	17	US-10-388-360-363	Sequence 363, App
35	21.8	77.9	2849	9	US-09-880-107-2110	Sequence 2110, Ap
36	21.8	77.9	96960	21	US-10-484-577-662	Sequence 662, App
37	20	71.4	2559	22	US-10-988-486-7	Sequence 7, Appli
38	20	71.4	2559	22	US-10-988-486-11	Sequence 11, Appli
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41	20	71.4	2559	22	US-10-988-486-14	Sequence 14, Appli
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45	19.6	70.0	3321	19	US-10-398-037-77	Sequence 77, Appli
46	19.4	69.3	404	9	US-09-960-352-3267	Sequence 3267, Ap
47	19.4	69.3	416	9	US-09-960-352-9144	Sequence 9144, Ap
48	19.4	69.3	417	9	US-09-960-352-8421	Sequence 8421, Ap
49	19.2	68.6	680	17	US-10-264-237-1188	Sequence 1188, Ap
50	19	67.9	393	20	US-10-425-115-96334	Sequence 96334, A
51	19	67.9	546	13	US-10-027-632-86717	Sequence 86717, A
52	19	67.9	546	13	US-10-027-632-86718	Sequence 86718, A
53	19	67.9	546	13	US-10-027-632-86719	Sequence 86719, A
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ALIGNMENTS

RESULT 1  
US-09-974-619B-34  
; Sequence 34, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974.619B  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/279,915  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 34  
; LENGTH: 28  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-34

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Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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US-10-696-639-1714  
; Sequence 1714, Application US/10696639  
; Publication No. US20050037439A1  
; GENERAL INFORMATION:  
; APPLICANT: Pharmacia Corporation  
; APPLICANT: Bourner, Maureen J.  
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE  
; FILE REFERENCE: 01040/1  
; CURRENT APPLICATION NUMBER: US/10/696.639  
; CURRENT FILING DATE: 2003-10-29  
; PRIOR APPLICATION NUMBER: 60/422,176  
; PRIOR FILING DATE: 2002-10-29

; NUMBER OF SEQ ID NOS: 3114  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1714  
; LENGTH: 441  
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; ORGANISM: homo sapiens  
; FEATURE:  
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; OTHER INFORMATION: n=unknown  
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Db 144 CACAAGACCCCTTTGTGGAGGACACTTA 171

RESULT 3  
US-09-880-107-3816  
; Sequence 3816, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
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; SEQ ID NO 3816  
; LENGTH: 1525  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X90579  
US-09-880-107-3816

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US-10-106-698-1724  
; Sequence 1724, Application US/10106698  
; Publication No. US20030109690A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
; FILE REFERENCE: PA005p1  
; CURRENT APPLICATION NUMBER: US/10/106.698  
; CURRENT FILING DATE: 2002-03-27  
; PRIOR APPLICATION NUMBER: PCT/US00/26524  
; PRIOR FILING DATE: 2000-09-28



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OM nucleic - nucleic search, using sw model

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(without alignments)  
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Title: US-09-974-619E-32

Perfect score: 23

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
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Listing first 100 summaries

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- 5: /cgn2\_6/ptodata/1/ina/PCITUS\_COMB.seq.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 67	16.6	72.2	23672	4	US-09-949-016-14941 Sequence 14941, A
C 68	16.6	72.2	27916	4	US-09-949-016-15202 Sequence 15202, A
C 69	16.6	72.2	34088	4	US-09-949-016-14449 Sequence 14449, A
C 70	16.6	72.2	38969	4	US-09-949-016-14051 Sequence 14051, A
C 71	16.6	72.2	61777	4	US-09-949-016-17278 Sequence 17278, A
C 72	16.6	72.2	64319	4	US-09-949-016-12804 Sequence 12804, A
C 73	16.6	72.2	74644	4	US-09-949-016-17556 Sequence 17556, A
C 74	16.6	72.2	89716	4	US-09-949-016-11900 Sequence 11900, A
C 75	16.6	72.2	92227	4	US-09-949-016-11929 Sequence 11929, A
C 76	16.6	72.2	92232	4	US-09-949-016-15421 Sequence 15421, A
C 77	16.6	72.2	99960	4	US-09-762-311-2 Sequence 2, Appl
C 78	16.6	72.2	134890	4	US-09-949-016-15602 Sequence 15602, A
C 79	16.6	72.2	134890	4	US-09-949-016-12781 Sequence 12781, A
C 80	16.6	72.2	198632	4	US-09-949-016-17393 Sequence 17393, A
C 81	16.6	72.2	387902	4	US-09-949-016-14543 Sequence 14543, A
C 82	16.6	72.2	421883	4	US-09-949-016-12557 Sequence 12557, A
C 83	16.4	71.3	601	4	US-09-949-016-92294 Sequence 92294, A
C 84	16.4	71.3	601	4	US-09-949-016-177705 Sequence 177705, A
C 85	16.4	71.3	601	4	US-09-949-016-177706 Sequence 177706, A
C 86	16.4	71.3	601	4	US-09-949-016-177706 Sequence 177706, A
C 87	16.4	71.3	753	4	US-09-543-681A-1664 Sequence 1664, Ap
C 88	16.4	71.3	5028	4	US-09-540-236-74 Sequence 74, Appl
C 89	16.4	71.3	73818	4	US-09-949-016-16822 Sequence 16822, A
C 90	16.4	71.3	89047	4	US-09-596-002-34 Sequence 34, Appl
C 91	16.4	71.3	132956	4	US-09-949-016-14382 Sequence 14382, A
C 92	16.4	71.3	132956	4	US-09-949-016-14577 Sequence 14577, A
C 93	16.4	71.3	678533	4	US-09-949-016-14578 Sequence 14578, A
C 94	16.2	70.4	412	4	US-09-300-958A-18 Sequence 18, Appl
C 95	16.2	70.4	429	3	US-09-144-367-7 Sequence 7, Appl
C 96	16.2	70.4	601	4	US-09-949-016-62453 Sequence 62453, A
C 97	16.2	70.4	601	4	US-09-949-016-62041 Sequence 62041, A
C 98	16.2	70.4	601	4	US-09-949-016-93497 Sequence 93497, A
C 99	16.2	70.4	601	4	US-09-949-016-117115 Sequence 117115, A
C 100	16.2	70.4	601	4	US-09-949-016-140774 Sequence 140774, A



## ALIGNMENTS

## RESULT 1

US-09-949-016-11863/c  
; Sequence 11863, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11863  
; LENGTH: 35803  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11863

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Db 16924 TGGAAATTGTACCTTTTAAGTGA 16902

## RESULT 2

US-09-949-016-12962/c  
; Sequence 12962, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
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; PRIOR FILING DATE: 2000-09-08  
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US-09-949-016-12962

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## RESULT 3

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; Sequence 12542, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
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; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
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US-09-949-016-12542

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Db 127952 GAATTGAACCTTTTAAGTGA 127932

## RESULT 4

US-09-949-016-17302/c  
; Sequence 17302, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
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; LENGTH: 173791  
; TYPE: DNA  
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US-09-949-016-17302

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Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GAATTGTACCTTTTAAGTGA 23

Db 127952 GAATTGAACCTTTTAAGTGA 127932

## RESULT 5

US-09-949-016-179936/c  
; Sequence 179936, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:



GenCore version 5.1.6  
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Maximum Match 100%

Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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C 4	20	87.0	14611	21	Sequence 5779, Ap
5	20	87.0	67088	19	Sequence 18007, A
6	20	87.0	67088	21	Sequence 5704, Ap
7	19	82.6	25	22	Sequence 17804, A
					Sequence 51436, A

C 8	19	82.6	25	22	US-10-843-527-186741	Sequence 186741, A
C 9	18.8	81.7	201	21	US-10-741-600-44046	Sequence 44046, A
C 10	18.8	81.7	201	21	US-10-741-600-44345	Sequence 44345, A
C 11	18.8	81.7	201	21	US-10-741-600-61656	Sequence 61656, A
C 12	18.8	81.7	201	21	US-10-741-600-61713	Sequence 61713, A
C 13	18.8	81.7	660	20	US-10-363-345A-9309	Sequence 9309, Ap
C 14	18.8	81.7	660	20	US-10-363-345A-9310	Sequence 9310, Ap
C 15	18.8	81.7	660	21	US-10-363-483A-9309	Sequence 9309, Ap
C 16	18.8	81.7	660	21	US-10-363-483A-9310	Sequence 9310, Ap
C 17	18.8	81.7	1158	17	US-10-282-122A-30985	Sequence 30985, A
C 18	18.8	81.7	119136	21	US-10-741-600-17828	Sequence 17828, A
C 19	18.8	81.7	162025	9	US-09-834-700-13	Sequence 13, Appl
C 20	18.8	81.7	162025	9	US-09-834-700-14	Sequence 14, Appl
C 21	18.8	81.7	162025	9	US-09-834-700-17	Sequence 17, Appl
C 22	18.8	81.7	162025	9	US-09-834-700-18	Sequence 18, Appl
C 23	18.8	81.7	162025	16	US-10-272-665-35	Sequence 35, Appl
C 24	18.8	81.7	162025	16	US-10-272-665-36	Sequence 36, Appl
C 25	18.8	81.7	162025	16	US-10-273-321-35	Sequence 35, Appl
C 26	18.8	81.7	162025	16	US-10-273-321-36	Sequence 36, Appl
C 27	18.8	81.7	162025	16	US-10-272-756-35	Sequence 35, Appl
C 28	18.8	81.7	162025	16	US-10-272-756-36	Sequence 36, Appl
C 29	18.8	81.7	162025	17	US-10-273-228-35	Sequence 35, Appl
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C 31	18.8	81.7	333811	21	US-10-741-600-17681	Sequence 17681, A
C 32	18.4	80.0	19696	10	US-09-764-891-9327	Sequence 9327, Ap
C 33	18.4	80.0	19696	14	US-10-091-572-874	Sequence 16388, A
C 34	18.2	79.1	586	9	US-09-864-761-16388	Sequence 140051, A
C 35	18.2	79.1	711	17	US-10-027-632-140051	Sequence 140051, A
C 36	18.2	79.1	808	13	US-10-027-632-140051	Sequence 140051, A
C 37	18.2	79.1	808	17	US-10-027-632-140051	Sequence 140051, A
C 38	18.2	79.1	14950	22	US-10-311-455-1229	Sequence 1229, Ap
C 39	18.2	79.1	89060	22	US-10-737-082-52	Sequence 52, Appl
C 40	18.2	79.1	89060	22	US-10-765-790-52	Sequence 52, Appl
C 41	18.2	79.1	113000	16	US-10-376-566-16	Sequence 16, Appl
C 42	18.2	79.1	170834	9	US-09-835-232-7	Sequence 7, Appl
C 43	18.2	79.1	170834	16	US-10-308-485-7	Sequence 7, Appl
C 44	18.2	79.1	277616	19	US-10-367-094-83	Sequence 83, Appl
C 45	18.2	79.1	325791	11	US-09-768-185A-1	Sequence 1, Appl
C 46	18.2	79.1	400660	19	US-10-388-838-68	Sequence 68, Appl
C 47	18.2	79.1	403035	19	US-10-741-601-5729	Sequence 5729, Ap
C 48	17.8	77.4	494	13	US-10-027-632-179695	Sequence 179695, A
C 49	17.8	77.4	494	17	US-10-027-632-179695	Sequence 179695, A
C 50	17.8	77.4	150130	13	US-10-087-192-820	Sequence 820, App
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C 54	17.4	75.7	25	22	US-10-843-527-50458	Sequence 50458, A
C 55	17.4	75.7	25	22	US-10-843-527-50460	Sequence 50460, A
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C 57	17.4	75.7	25	22	US-10-843-527-51435	Sequence 51435, A
C 58	17.4	75.7	25	22	US-10-843-527-51437	Sequence 51437, A
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C 63	17.4	75.7	25	22	US-10-843-527-187229	Sequence 187229, A
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C 65	17.4	75.7	25	22	US-10-843-527-187719	Sequence 187719, A
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C 70	17.4	75.7	5532	17	US-10-074-024-689	Sequence 689, App
C 71	17.4	75.7	7166	17	US-10-074-024-690	Sequence 690, App
C 72	17.2	74.8	365	9	US-09-783-590-10938	Sequence 10938, A
C 73	17.2	74.8	384	19	US-10-437-963-15337	Sequence 15337, A
C 74	17.2	74.8	405	20	US-10-425-115-33228	Sequence 33228, A
C 75	17.2	74.8	431	17	US-10-242-535A-25806	Sequence 25806, A
C 76	17.2	74.8	431	18	US-10-085-783A-25806	Sequence 25806, A
C 77	17.2	74.8	472	13	US-10-027-632-57047	Sequence 57047, A
C 78	17.2	74.8	472	17	US-10-027-632-57047	Sequence 57047, A
C 79	17.2	74.8	483	13	US-10-424-559-15864	Sequence 15864, A
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C 86	17.2	74.8	2395	13	US-10-027-632-257202	Sequence 257202, Ap
C 87	17.2	74.8	2395	17	US-10-027-632-257202	Sequence 257202, Ap
C 88	17.2	74.8	3696	19	US-10-437-963-430	Sequence 430, App
C 89	17.2	74.8	5196	9	US-09-764-877-2566	Sequence 2566, Ap
C 90	17.2	74.8	5196	17	US-10-242-515-2366	Sequence 2366, Ap
91	17.2	74.8	6345	21	US-10-764-420-2389	Sequence 2389, Ap
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93	17.2	74.8	11812	15	US-10-311-455-2091	Sequence 2091, App
94	17.2	74.8	11812	15	US-10-240-453-305	Sequence 305, App
95	17.2	74.8	11812	18	US-10-221-714A-467	Sequence 467, App
96	17.2	74.8	12781	18	US-10-221-714A-107	Sequence 107, App
97	17.2	74.8	12781	18	US-10-240-589C-37	Sequence 37, Appl
C 98	17.2	74.8	14485	9	US-09-876-216-3	Sequence 3, Appl
C 99	17.2	74.8	14485	15	US-10-359-076-3	Sequence 3, Appl
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## ALIGNMENTS

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; Sequence 32, Application US/09974619B
; Publication No. US2003014357A1
; GENERAL INFORMATION:
; APPLICANT: Schuetz, Erin
; APPLICANT: Zhang, Joing
; APPLICANT: Assem, Mahfoud
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5
; TITLE OF INVENTION: Phenotype
; FILE REFERENCE: 44158/244344
; CURRENT APPLICATION NUMBER: US/09/974,619B
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/279,915
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Primer
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; Publication No. US20050032724A1

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, GENERAL INFORMATION:
, APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft
, TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A
, FILE REFERENCE: F2285PCT-1
, CURRENT APPLICATION NUMBER: US/10/484,577
, CURRENT FILING DATE: 2004-01-22
, PRIOR APPLICATION NUMBER: PCT/EP 02/08220
, PRIOR FILING DATE: 2002-07-23
, PRIOR APPLICATION NUMBER: EP 01 11 7608.8
, PRIOR FILING DATE: 2001-07-23

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; PRIOR APPLICATION NUMBER: EP 02011710.7
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; PRIOR FILING DATE: 2002-05-24
;
; NUMBER OF SEQ ID NOS: 693
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; SOFTWARE: PatentIn version 3.1
;
; SEQ ID NO 660
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; ORGANISM: Homo sapiens
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; US-10-484-577-660

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; Sequence 5779, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5779
; LENGTH: 14611
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-741-601-5779

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8708 TGGAAATTGTACCTTTTAAGT 8689  
db

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; Sequence 18007, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
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US-10-741-600-18007

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Qy 1 TGAATTGTACCTTTTAAGT 20  
db 8708 TGAATTGTACCTTTTAAGT 8689



GenCore version 5.1.6  
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Run on: September 23, 2005, 16:40:29 ; Search time 48.7755 Seconds  
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Title: US-09-974-619E-31

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Scoring table: IDENTITY NUC  
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Post-processing: Minimum Match 0%  
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Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

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5	16.4	82.0	139150	4	US-09-949-016-17398
6	16.4	82.0	139577	4	US-09-949-016-12879
7	15.8	79.0	448	4	US-09-513-999C-276
8	15.8	79.0	12097	4	US-09-949-016-14494
9	15.8	79.0	231129	4	US-09-949-016-16110
10	15.4	77.0	447	3	US-09-641-638-338
11	15.4	77.0	447	4	US-10-170-097-338
12	15.4	77.0	601	4	US-09-949-016-76343
13	15.4	77.0	601	4	US-09-949-016-76344
14	15.4	77.0	601	4	US-09-949-016-182193
15	15.4	77.0	601	4	US-09-949-016-188272
16	15.4	77.0	601	4	US-09-949-016-188273
17	15.4	77.0	601	4	US-09-949-016-188274
18	15.4	77.0	1375	4	US-09-489-847-120
19	15.4	77.0	1376	4	US-09-489-847-66
20	15.4	77.0	2310	4	US-09-620-312D-206
21	15.4	77.0	7353	4	US-09-949-016-14895
22	15.4	77.0	8186	4	US-10-029-517-19
23	15.4	77.0	9649	4	US-09-949-016-15672
24	15.4	77.0	46745	4	US-09-949-016-13964
25	15.4	77.0	76118	4	US-09-949-016-15593
26	15.4	77.0	112705	4	US-09-949-016-15630
27	15.4	77.0	133358	4	US-09-949-016-16964

28	15.4	77.0	133360	4	US-09-949-016-12651	Sequence 12651, A
29	15.4	77.0	158735	4	US-09-949-016-11989	Sequence 11989, A
30	15.4	77.0	158735	4	US-09-949-016-17130	Sequence 17130, A
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c 32	15.4	77.0	319608	4	US-09-679-409-1	Sequence 1, Appli
33	15.2	76.0	313	4	US-09-513-999C-34883	Sequence 34883, A
34	15.2	76.0	501	4	US-09-270-767-701	Sequence 701, A
35	15.2	76.0	501	4	US-09-270-767-15983	Sequence 15983, A
36	15.2	76.0	601	4	US-09-949-016-168289	Sequence 168289, A
c 37	15.2	76.0	601	4	US-09-949-016-200666	Sequence 200666, A
c 38	15.2	76.0	601	4	US-09-949-016-200812	Sequence 200812, A
39	15.2	76.0	950	4	US-09-671-317-79	Sequence 79, Appl
c 40	15.2	76.0	1670	4	US-10-121-757B-19	Sequence 19, Appl
41	15.2	76.0	2438	3	US-09-302-769-43	Sequence 43, Appl
42	15.2	76.0	3519	2	US-08-380-403A-1	Sequence 1, Appli
43	15.2	76.0	3519	2	US-08-895-628-1	Sequence 1, Appli
44	15.2	76.0	3519	3	US-08-895-810D-1	Sequence 1, Appli
45	15.2	76.0	5687	2	US-08-380-403A-3	Sequence 3, Appli
46	15.2	76.0	5687	2	US-08-895-628-3	Sequence 3, Appli
47	15.2	76.0	5687	3	US-08-895-810D-3	Sequence 3, Appli
48	15.2	76.0	20902	4	US-09-949-016-12684	Sequence 12684, A
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c 50	15.2	76.0	152582	4	US-09-949-016-12086	Sequence 12086, A
c 51	15.2	76.0	152583	4	US-09-949-016-17390	Sequence 17390, A
c 52	15.2	76.0	152583	4	US-09-949-016-17391	Sequence 17391, A
53	15.2	76.0	225127	4	US-09-949-016-16480	Sequence 16480, A
54	15	75.0	601	4	US-09-949-016-83779	Sequence 83779, A
c 55	15	75.0	917	4	US-09-016-434-681	Sequence 681, App
56	15	75.0	4650	1	US-07-998-003A-102	Sequence 102, App
57	15	75.0	4650	1	US-08-453-274B-102	Sequence 102, App
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59	15	75.0	4650	1	US-08-268-161A-102	Sequence 102, App
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61	15	75.0	4650	3	US-09-099-639-102	Sequence 102, App
62	15	75.0	4650	5	PCT-US93-12588-102	Sequence 102, App
63	15	75.0	4650	5	PCT-US95-08071-102	Sequence 102, App
64	15	75.0	6560	4	US-09-949-016-16878	Sequence 16878, A
65	15	75.0	60095	4	US-09-949-016-12419	Sequence 12419, A
66	15	75.0	60095	4	US-09-949-016-14457	Sequence 14457, A
67	15	75.0	455726	4	US-09-949-016-14157	Sequence 14157, A
68	15	75.0	481115	4	US-09-949-016-11940	Sequence 11940, A
69	14.8	74.0	538	4	US-09-642-703-21	Sequence 21, Appl
c 70	14.8	74.0	601	4	US-09-949-016-92339	Sequence 92339, A
c 71	14.8	74.0	601	4	US-09-949-016-95032	Sequence 95032, A
c 72	14.8	74.0	601	4	US-09-949-016-95033	Sequence 95033, A
c 73	14.8	74.0	601	4	US-09-949-016-95144	Sequence 95144, A
c 74	14.8	74.0	601	4	US-09-949-016-95145	Sequence 95145, A
c 75	14.8	74.0	601	4	US-09-949-016-181759	Sequence 181759, A
c 76	14.8	74.0	601	4	US-09-949-016-181760	Sequence 181760, A
c 77	14.8	74.0	601	4	US-09-949-016-181878	Sequence 181878, A
c 78	14.8	74.0	601	4	US-09-949-016-181879	Sequence 181879, A
c 79	14.8	74.0	601	4	US-09-949-016-181997	Sequence 181997, A
c 80	14.8	74.0	601	4	US-09-949-016-181998	Sequence 181998, A
81	14.8	74.0	601	4	US-09-949-016-190568	Sequence 190568, A
82	14.8	74.0	1212	3	US-09-591-435-9	Sequence 9, Appli
83	14.8	74.0	1212	3	US-09-591-435-10	Sequence 10, Appl
84	14.8	74.0	1224	3	US-09-949-016-3122	Sequence 3122, Ap
85	14.8	74.0	1312	3	US-09-517-605-1	Sequence 1, Appli
86	14.8	74.0	2698	4	US-09-817-676A-11	Sequence 11, Appl
87	14.8	74.0	4546	3	US-09-134-218-2	Sequence 2, Appli
88	14.8	74.0	4546	4	US-09-949-016-545	Sequence 545, App
89	14.8	74.0	12385	3	US-09-822-862-3	Sequence 3, Appli
c 90	14.8	74.0	17228	4	US-09-902-540-1170	Sequence 1170, Ap
91	14.8	74.0	17425	3	US-09-511-625B-5	Sequence 5, Appli
c 92	14.8	74.0	52661	4	US-09-949-016-17191	Sequence 17191, A
c 93	14.8	74.0	106746	4	US-09-326-402C-1	Sequence 1, Appli
c 94	14.8	74.0	106746	4	US-09-326-402C-12	Sequence 12, Appl
95	14.8	74.0	118868	4	US-09-949-016-15746	Sequence 15746, A
96	14.8	74.0	149971	4	US-09-949-016-13590	Sequence 13590, A
c 97	14.8	74.0	152393	4	US-09-949-016-14514	Sequence 14514, A
c 98	14.8	74.0	152393	4	US-09-949-016-14515	Sequence 14515, A
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c 100	14.8	74.0	156894	4	US-09-949-016-12766	Sequence 12766, A



## ALIGNMENTS

## RESULT 1

US-09-949-016-11863  
; Sequence 11863, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11863  
; LENGTH: 35803  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11863

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Matches 20; Conservative 0; Mismatches 0;

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Db 16416 TATGACTGGGCTCCTTGACC 16435

## RESULT 2

US-09-949-016-12962  
; Sequence 12962, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12962  
; LENGTH: 35804  
; TYPE: DNA  
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US-09-949-016-12962

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Qy 1 TATGACTGGGCTCCTTGACC 20

Db 16416 TATGACTGGGCTCCTTGACC 16435

## RESULT 3

US-09-949-016-14432  
; Sequence 14432, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
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; ORGANISM: Human  
US-09-949-016-14432

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Db 21035 TATGACTAGGCTCCTTGACC 21054

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US-09-949-016-14433  
; Sequence 14433, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
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; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14433  
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; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(103934)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-14433

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Matches 19; Conservative 0; Mismatches 1;

Qy 1 TATGACTGGGCTCCTTGACC 20

Db 70435 TATGACTAGGCTCCTTGACC 70454

## RESULT 5



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 19:10:46 ; Search time 274.796 Seconds  
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Title: US-09-974-619E-31

Perfect score: 20

Sequence: 1 tatgactgggtctcttgacc 20

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Post-processing: Minimum Match 0%

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Listing first 100 summaries

Database : Published Applications NA.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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4	16.4	82.0	753	13	US-10-027-632-27477
5	16.4	82.0	753	17	US-10-027-632-27477
6	16.4	82.0	519599	22	US-10-737-082-73
7	16.4	82.0	519599	22	US-10-765-790-73
Sequence 31, Appl					
Sequence 660, Appl					
Sequence 109, Appl					
Sequence 27477, A					
Sequence 27477, A					
Sequence 73, Appl					

Sequence 146032,	US-10-027-632-146032	13	761	80.0	16	8
Sequence 146032,	US-10-027-632-146032	17	761	80.0	16	9
Sequence 676399,	US-10-719-900-676399	25	21	79.0	15.8	10
Sequence 53568, A	US-10-357-930-53568	235	20	79.0	15.8	c 11
Sequence 69998, A	US-10-437-963-69998	464	19	79.0	15.8	c 12
Sequence 439, Appl	US-10-029-386-439	590	16	79.0	15.8	c 13
Sequence 29468, A	US-10-767-701-29468	618	19	79.0	15.8	c 14
Sequence 260716,	US-10-027-632-260716	636	13	79.0	15.8	c 15
Sequence 260716,	US-10-027-632-260716	636	17	79.0	15.8	c 16
Sequence 318, Appl	US-10-911-704-318	641	21	79.0	15.8	c 17
Sequence 25174, A	US-10-027-632-25174	678	17	79.0	15.8	c 18
Sequence 25174, A	US-10-027-632-25174	678	17	79.0	15.8	c 19
Sequence 150240,	US-10-027-632-150240	725	13	79.0	15.8	c 20
Sequence 150241,	US-10-027-632-150241	725	13	79.0	15.8	c 21
Sequence 150241,	US-10-027-632-150241	725	13	79.0	15.8	c 22
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Sequence 543, Appl	US-10-259-165-543	981	15	79.0	15.8	c 24
Sequence 119442,	US-10-027-632-119442	1046	13	79.0	15.8	c 25
Sequence 119442,	US-10-027-632-119442	1046	13	79.0	15.8	c 26
Sequence 119442,	US-10-027-632-119442	1046	13	79.0	15.8	c 27
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Sequence 24829, A	US-10-027-632-24829	1662	17	79.0	15.8	c 29
Sequence 20, Appl	US-10-471-449-20	1849	18	79.0	15.8	c 30
Sequence 67753, A	US-10-425-115-67753	1987	20	79.0	15.8	c 31
Sequence 34111, A	US-10-425-114-34111	1992	18	79.0	15.8	c 32
Sequence 1, Appl	US-10-310-612-1	2448	19	79.0	15.8	c 33
Sequence 24379, A	US-10-328-538-1	2448	19	79.0	15.8	c 34
Sequence 1, Appl	US-10-369-493-25379	4590	17	79.0	15.8	c 35
Sequence 1, Appl	US-10-028-374-1	4931	15	79.0	15.8	c 36
Sequence 1, Appl	US-10-183-770-1	4931	16	79.0	15.8	c 37
Sequence 1, Appl	US-11-107-572-1	4931	24	79.0	15.8	c 38
Sequence 2167, Ap	US-10-152-319A-2167	8221	18	79.0	15.8	c 39
Sequence 250, App	US-10-764-420-250	8269	21	79.0	15.8	c 40
Sequence 265, App	US-10-322-281-265	77530	19	79.0	15.8	c 41
Sequence 9316, Ap	US-09-908-975-9316	60	10	77.0	15.4	c 42
Sequence 22105, A	US-09-864-761-22105	151	9	77.0	15.4	c 43
Sequence 4872, Ap	US-09-960-352-4872	387	9	77.0	15.4	c 44
Sequence 338, App	US-10-170-097-338	447	17	77.0	15.4	c 45
Sequence 338, App	US-10-926-684-338	447	21	77.0	15.4	c 46
Sequence 5331, Ap	US-09-864-761-5331	478	9	77.0	15.4	c 47
Sequence 91565, A	US-10-972-079-91565	600	22	77.0	15.4	c 48
Sequence 91566, A	US-10-972-079-91566	600	22	77.0	15.4	c 49
Sequence 266447,	US-10-027-632-206447	624	13	77.0	15.4	c 50
Sequence 21709,	US-10-027-632-206447	624	17	77.0	15.4	c 51
Sequence 221709,	US-10-027-632-221709	637	13	77.0	15.4	c 52
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Sequence 102792,	US-10-027-632-102792	720	17	77.0	15.4	c 55
Sequence 32845, A	US-10-027-632-32845	743	13	77.0	15.4	c 56
Sequence 32846, A	US-10-027-632-32846	743	13	77.0	15.4	c 57
Sequence 32845, A	US-10-027-632-32845	743	17	77.0	15.4	c 58
Sequence 32846, A	US-10-027-632-32846	743	17	77.0	15.4	c 59
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Sequence 143905,	US-10-027-632-143905	876	13	77.0	15.4	c 62
Sequence 143905,	US-10-027-632-143905	876	17	77.0	15.4	c 63
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Sequence 8160, Ap	US-10-027-632-8160	884	17	77.0	15.4	c 67
Sequence 9369, Ap	US-10-767-701-9369	1052	19	77.0	15.4	c 68
Sequence 25, Appl	US-11-079-743-25	1269	24	77.0	15.4	c 69
Sequence 19, Appl	US-10-181-108-25	1269	24	77.0	15.4	c 70
Sequence 115, Appl	US-10-296-606-115	1309	17	77.0	15.4	c 71
Sequence 120, Appl	US-10-153-668-115	1352	14	77.0	15.4	c 72
Sequence 66, Appl	US-10-351-334-120	1375	18	77.0	15.4	c 73
Sequence 21097, A	US-10-425-114-21097	1376	18	77.0	15.4	c 74
Sequence 206, App	US-10-037-270-206	2310	15	77.0	15.4	c 75
Sequence 206, App	US-10-117-722-206	2310	17	77.0	15.4	c 76
Sequence 275, App	US-10-092-900A-275	3044	18	77.0	15.4	c 77
Sequence 277, App	US-10-092-900A-277	3231	18	77.0	15.4	c 78
Sequence 273, App	US-10-092-900A-273	3257	18	77.0	15.4	c 79
Sequence 273, App	US-10-092-900A-273	3257	18	77.0	15.4	c 80



c 81 15.4 77.0 3372 22 US-10-450-763-26201 Sequence 26201, A  
c 82 15.4 77.0 3420 10 US-09-971-490-6 Sequence 6, Appl  
c 83 15.4 77.0 3420 20 US-10-193-452-79 Sequence 79, Appl  
c 84 15.4 77.0 3624 21 US-10-956-157-2331 Sequence 2331, Ap  
c 85 15.4 77.0 4577 18 US-10-363-937-27 Sequence 27, Appl  
c 86 15.4 77.0 4873 10 US-09-971-490-4 Sequence 4, Appl  
c 87 15.4 77.0 4873 20 US-10-193-452-77 Sequence 77, Appl  
c 88 15.4 77.0 5574 11 US-09-989-890-26 Sequence 26, Appl  
c 89 15.4 77.0 8181 11 US-09-951-938-18 Sequence 18, Appl  
c 90 15.4 77.0 8181 17 US-10-447-839A-18 Sequence 18, Appl  
c 91 15.4 77.0 8181 21 US-10-778-859-18 Sequence 18, Appl  
c 92 15.4 77.0 8186 15 US-10-029-517-19 Sequence 19, Appl  
c 93 15.4 77.0 8186 21 US-10-696-639-21 Sequence 21, Appl  
c 94 15.4 77.0 24492 13 US-10-087-192-850 Sequence 850, App  
c 95 15.4 77.0 28693 21 US-10-741-600-17761 Sequence 17761, A  
c 96 15.4 77.0 80420 19 US-10-322-281-42 Sequence 42, Appl  
c 97 15.4 77.0 92117 13 US-10-087-192-1348 Sequence 1348, Ap  
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c 99 15.4 77.0 159650 22 US-10-981-277-47 Sequence 47, Appl  
c 100 15.4 77.0 319608 17 US-10-147-603-1 GENERAL INFORMATI

## ALIGNMENTS

RESULT 1  
US-09-974-619B-31  
; Sequence 31, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/279,915  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 31  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-31

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Best Local Similarity 100.0%; Pred. No. 1.9;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 TATGACTGGGCTCCTTGACC 20

RESULT 2  
US-10-484-577-660  
; Sequence 660, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A  
; FILE REFERENCE: F2285PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; CURRENT FILING DATE: 2004-01-22  
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
; PRIOR FILING DATE: 2001-07-23

; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 660  
; LENGTH: 177531  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-484-577-660

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Best Local Similarity 100.0%; Pred. No. 2.1;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 30237 TATGACTGGGCTCCTTGACC 30256

RESULT 3  
US-10-085-117-109/C  
; Sequence 109, Application US/10085117  
; Publication No. US2003023334A1  
; GENERAL INFORMATION:  
; APPLICANT: Morris, David W.  
; APPLICANT: Engelhard, Eric K.  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
; FILE REFERENCE: S29452000121  
; CURRENT APPLICATION NUMBER: US/10/085,117  
; CURRENT FILING DATE: 2002-02-27  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 361  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 109  
; LENGTH: 99973  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: variation  
; LOCATION: (1)...(99973)  
; OTHER INFORMATION: n = any nucleotide  
US-10-085-117-109

Query Match 84.0%; Score 16.8; DB 17; Length 99973;  
Best Local Similarity 90.0%; Pred. No. 97;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 22410 TCTGACTGGGCTCCTTGACC 22391

RESULT 4  
US-10-027-632-27477  
; Sequence 27477, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; POLYMORPHISMS IN THE HUMAN GENOME  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363



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OM nucleic - nucleic search, using sw model

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Title: US-09-974-619E-30

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*

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- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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11	18.4	92.0	2759	3	US-09-144-367-1
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c 28	16	80.0	601	4	US-09-949-016-92486	Sequence 92486, A
c 29	16	80.0	601	4	US-09-949-016-92487	Sequence 92487, A
c 30	16	80.0	601	4	US-09-949-016-92488	Sequence 92488, A
c 31	16	80.0	34312	4	US-09-949-016-12352	Sequence 12352, A
c 32	16	80.0	61399	4	US-09-949-016-14386	Sequence 14386, A
c 33	15.8	79.0	563	4	US-09-621-976-2759	Sequence 2759, Ap
c 34	15.8	79.0	601	4	US-09-949-016-46846	Sequence 46846, A
c 35	15.8	79.0	601	4	US-09-949-016-47237	Sequence 47237, A
c 36	15.8	79.0	601	4	US-09-949-016-121296	Sequence 121296, A
c 37	15.8	79.0	601	4	US-09-949-016-167058	Sequence 167058, A
c 38	15.8	79.0	601	4	US-09-949-016-170426	Sequence 170426, A
c 39	15.8	79.0	645	4	US-09-248-796A-4068	Sequence 4068, Ap
c 40	15.8	79.0	843	2	US-08-933-750C-67	Sequence 67, Appl
c 41	15.8	79.0	843	3	US-08-234-613-67	Sequence 67, Appl
c 42	15.8	79.0	2030	4	US-09-530-851-3	Sequence 3, Appl
c 43	15.8	79.0	15265	4	US-09-949-016-13122	Sequence 13122, A
c 44	15.8	79.0	20093	4	US-09-949-016-15207	Sequence 15207, A
c 45	15.8	79.0	28555	4	US-09-949-016-13106	Sequence 13106, A
c 46	15.8	79.0	31423	4	US-09-949-016-16442	Sequence 16442, A
c 47	15.8	79.0	44377	2	US-08-804-227C-7	Sequence 7, Appl
c 48	15.8	79.0	44377	2	US-08-804-198-1	Sequence 1, Appl
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c 50	15.8	79.0	77997	4	US-09-949-016-12249	Sequence 12249, A
c 51	15.8	79.0	93510	4	US-09-949-016-15095	Sequence 15095, A
c 52	15.8	79.0	114793	4	US-10-148-806-3	Sequence 3, Appl
c 53	15.8	79.0	127280	4	US-09-949-016-14857	Sequence 14857, A
c 54	15.8	79.0	132266	4	US-09-949-016-14860	Sequence 14860, A
c 55	15.8	79.0	142783	4	US-09-949-016-15127	Sequence 15127, A
c 56	15.8	79.0	150833	4	US-09-949-016-14859	Sequence 14859, A
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c 58	15.8	79.0	168104	4	US-09-949-016-12026	Sequence 12026, A
c 59	15.8	79.0	168105	4	US-09-949-016-16554	Sequence 16554, A
c 60	15.4	77.0	171130	4	US-09-949-016-14861	Sequence 14861, A
c 61	15.4	77.0	601	4	US-09-949-016-30742	Sequence 30742, A
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c 63	15.4	77.0	601	4	US-09-949-016-30943	Sequence 30943, A
c 64	15.4	77.0	601	4	US-09-949-016-30944	Sequence 30944, A
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c 67	15.4	77.0	601	4	US-09-949-016-158125	Sequence 158125, A
c 68	15.4	77.0	601	4	US-09-949-016-163156	Sequence 163156, A
c 69	15.4	77.0	1314	4	US-09-248-796A-3932	Sequence 3932, Ap
c 70	15.4	77.0	1548	3	US-08-665-259-28	Sequence 28, Appl
c 71	15.4	77.0	1548	3	US-08-762-500-28	Sequence 28, Appl
c 72	15.4	77.0	2549	1	US-08-470-720-2	Sequence 2, Appl
c 73	15.4	77.0	2549	1	US-08-070-455-2	Sequence 2, Appl
c 74	15.4	77.0	4964	1	US-08-470-720-5	Sequence 5, Appl
c 75	15.4	77.0	4964	1	US-08-070-455-5	Sequence 5, Appl
c 76	15.4	77.0	22339	4	US-09-949-016-12411	Sequence 12411, A
c 77	15.4	77.0	22339	4	US-09-949-016-16154	Sequence 16154, A
c 78	15.4	77.0	23928	4	US-09-949-016-12392	Sequence 12392, A
c 79	15.4	77.0	23928	4	US-09-949-016-16315	Sequence 16315, A
c 80	15.2	76.0	117	3	US-09-273-565-91	Sequence 91, Appl
c 81	15.2	76.0	117	3	US-09-565-538-91	Sequence 91, Appl
c 82	15.2	76.0	117	3	US-09-661-468-91	Sequence 91, Appl
c 83	15.2	76.0	117	3	US-09-976-165-91	Sequence 91, Appl
c 84	15.2	76.0	401	4	US-09-621-976-12278	Sequence 12278, A
c 85	15.2	76.0	504	4	US-09-621-976-16665	Sequence 16665, A
c 86	15.2	76.0	601	4	US-09-949-016-26332	Sequence 26332, A
c 87	15.2	76.0	601	4	US-09-949-016-41280	Sequence 41280, A
c 88	15.2	76.0	601	4	US-09-949-016-50507	Sequence 50507, A
c 89	15.2	76.0	601	4	US-09-949-016-105201	Sequence 105201, A
c 90	15.2	76.0	601	4	US-09-949-016-131987	Sequence 131987, A
c 91	15.2	76.0	601	4	US-09-949-016-132056	Sequence 132056, A
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c 93	15.2	76.0	601	4	US-09-949-016-136471	Sequence 136471, A
c 94	15.2	76.0	601	4	US-09-949-016-136472	Sequence 136472, A
c 95	15.2	76.0	601	4	US-09-949-016-180080	Sequence 180080, A
c 96	15.2	76.0	601	4	US-09-949-016-206995	Sequence 206995, A
c 97	15.2	76.0	813	4	US-09-252-991A-271	Sequence 271, App
c 98	15.2	76.0	1329	4	US-09-808-701A-5	Sequence 5, Appl
c 99	15.2	76.0	1614	4	US-09-543-681A-557	Sequence 557, App
c 100	15.2	76.0	1824	4	US-09-799-451-301	Sequence 301, App



## ALIGNMENTS

RESULT 1  
US-09-023-655-1405  
; Sequence 1405, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,655  
; FILING DATE: HERewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1405:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1599 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: 9438625  
US-09-023-655-1405

Query Match 100.0%; Score 20; DB 4; Length 1599;  
Best Local Similarity 100.0%; Pred. No. 2.2;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTCATTGCTGCTCCAACC 20  
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Db 700 GGTCATTGCTGCTCCAACC 719

RESULT 2  
US-09-023-655-1060  
; Sequence 1060, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION

; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,655  
; FILING DATE: HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1060:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1707 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: g181345  
US-09-023-655-1060

Query Match 100.0%; Score 20; DB 4; Length 1707;  
Best Local Similarity 100.0%; Pred. No. 2.2;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 476 GGTCATTGCTGCTCCAACC 495

## RESULT 3

US-09-949-016-121  
; Sequence 121, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 121  
; LENGTH: 1707  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-121



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 19:10:46 ; Search time 274.796 Seconds  
(without alignments)  
486.627 Million cell updates/sec

Title: US-09-974-619E-30

Perfect score: 20

Sequence: 1 ggcattgtgtctccaacc 20

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Gapop 10.0 , Gapext 1.0

Searched: 7400704 seqs, 3343079526 residues

Total number of hits satisfying chosen parameters: 14801408

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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- 23: /cgn2\_6/ptodata/1/pubpna/US11A\_PUBCOMB.seq.\*
- 24: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq.\*
- 25: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*
- 26: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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3	20	100.0	1599	18	US-10-641-643-1405
4	20	100.0	1707	9	US-09-880-107-2114
5	20	100.0	1707	18	US-10-641-643-1060
6	20	100.0	177531	21	US-10-484-577-560
7	19.6	98.0	1595	15	US-10-106-698-1724

8	18.4	92.0	323	9	US-09-960-352-12213	Sequence 12213, A
9	18.4	92.0	356	9	US-09-960-352-8501	Sequence 8501, Ap
10	18.4	92.0	404	9	US-09-960-352-3267	Sequence 3267, Ap
11	18.4	92.0	410	9	US-09-960-352-3955	Sequence 3955, Ap
12	18.4	92.0	417	9	US-09-960-352-8421	Sequence 8421, Ap
13	18.4	92.0	423	9	US-09-960-352-12700	Sequence 12700, A
14	18.4	92.0	433	14	US-10-146-575-5	Sequence 5, Appli
15	18.4	92.0	1458	20	US-10-690-991-1	Sequence 1, Appli
16	18.4	92.0	1458	21	US-10-833-296-1	Sequence 1, Appli
17	18.4	92.0	1458	22	US-10-516-338-7	Sequence 7, Appli
18	18.4	92.0	1458	24	US-11-076-967-1	Sequence 1, Appli
19	18.4	92.0	1512	17	US-10-313-963A-55	Sequence 55, Appli
20	18.4	92.0	2011	9	US-09-880-107-1586	Sequence 1586, Ap
21	18.4	92.0	2059	18	US-10-641-643-1062	Sequence 1, Appli
22	18.4	92.0	2759	14	US-10-146-575-1	Sequence 14, Appli
23	18.4	92.0	2768	16	US-10-368-822-14	Sequence 297, App
24	18.4	92.0	2768	17	US-10-368-360-297	Sequence 363, App
25	18.4	92.0	2768	17	US-10-388-360-363	Sequence 2110, Ap
26	18.4	92.0	2849	9	US-09-880-107-2110	Sequence 662, App
27	18.4	92.0	96960	21	US-10-484-577-662	Sequence 7748, Ap
28	17.4	87.0	600	22	US-10-972-079-7748	Sequence 85, Appl
29	17.4	87.0	1001	18	US-10-294-934-85	Sequence 86, Appl
30	17.4	87.0	1001	18	US-10-294-934-86	Sequence 301, App
31	17.4	87.0	1608	20	US-10-335-053-301	Sequence 184, App
32	17.4	87.0	1971	9	US-09-954-456-184	Sequence 1589, Ap
33	17.4	87.0	1971	9	US-09-957-997-2	Sequence 2, Appli
34	17.4	87.0	1971	10	US-09-873-367C-651	Sequence 651, App
35	17.4	87.0	1971	10	US-10-843-641A-651	Sequence 651, App
36	17.4	87.0	1971	21	US-10-843-641A-3211	Sequence 3211, Ap
37	17.4	87.0	1971	21	US-10-843-641A-3211	Sequence 8930, Ap
38	17	85.0	354	9	US-09-960-352-8930	Sequence 8930, Ap
39	16.8	84.0	351	19	US-10-437-963-77958	Sequence 77958, A
40	16.8	84.0	388	20	US-10-425-115-82769	Sequence 82769, A
41	16.8	84.0	776	20	US-10-425-115-67471	Sequence 67471, A
42	16.8	84.0	2521	9	US-09-925-300-521	Sequence 521, App
43	16.8	84.0	3378	9	US-09-964-899-48	Sequence 48, Appl
44	16.8	84.0	3378	22	US-10-975-523-48	Sequence 48, Appl
45	16.8	84.0	3379	21	US-10-831-704-12	Sequence 12, Appl
46	16.8	84.0	3406	9	US-09-954-456-1789	Sequence 1789, Ap
47	16.8	84.0	3406	9	US-09-880-107-1628	Sequence 1628, Ap
48	16.8	84.0	3406	10	US-09-960-706-480	Sequence 480, App
49	16.8	84.0	3406	10	US-09-873-319-292	Sequence 232, App
50	16.8	84.0	3406	21	US-10-843-641A-4816	Sequence 4816, Ap
51	16.8	84.0	3445	14	US-10-116-802-152	Sequence 152, App
52	16.8	84.0	3445	15	US-10-084-817-309	Sequence 309, App
53	16.8	84.0	3453	21	US-10-887-553A-324	Sequence 324, App
54	16.8	84.0	3458	16	US-10-240-965-273	Sequence 273, App
55	16.8	84.0	3466	18	US-10-188-832-154	Sequence 154, App
56	16.8	84.0	3549	17	US-10-062-674-1983	Sequence 1983, Ap
57	16.4	82.0	453	17	US-10-172-118-2211	Sequence 2211, Ap
58	16.4	82.0	453	18	US-10-342-887-2211	Sequence 2211, Ap
59	16.4	82.0	461	13	US-10-027-632-279286	Sequence 279286, A
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63	16.4	82.0	600	22	US-10-972-079-43679	Sequence 43679, A
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66	16.4	82.0	600	22	US-10-972-079-43682	Sequence 43682, A
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69	16.4	82.0	667	20	US-10-425-115-20641	Sequence 20641, A
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72	16.4	82.0	851	18	US-10-424-599-137664	Sequence 137664, A
73	16.4	82.0	855	19	US-10-767-701-15841	Sequence 15841, A
74	16.4	82.0	78072	17	US-10-085-117-154	Sequence 154, App
75	16	80.0	25	22	US-10-719-956-596417	Sequence 596417, A
76	16	80.0	600	22	US-10-972-079-15823	Sequence 15823, A
77	16	80.0	600	22	US-10-972-079-15824	Sequence 15824, A
78	16	80.0	600	22	US-10-972-079-15825	Sequence 15825, A
79	16	80.0	654	13	US-10-027-632-136197	Sequence 136197, A
80	16	80.0	654	17	US-10-027-632-136197	Sequence 136197, A



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Sequence 1041, Ap 16 80.0 666 22 US-10-501-282-1041  
Sequence 136194, 16 80.0 805 13 US-10-027-632-136194  
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Sequence 6651, Ap 16 80.0 1754382 22 US-10-501-282-6651  
Sequence 122936, 16 80.0 25 15 US-10-098-2638-122936  
Sequence 154266, 16 80.0 25 22 US-10-719-956-154266  
Sequence 384, App 16 80.0 228 19 US-10-702-075-384  
Sequence 77, Appl 16 80.0 295 10 US-09-930-213-77  
Sequence 321, Appl 16 80.0 295 10 US-09-930-213-321  
Sequence 94, Appl 16 80.0 316 18 US-10-152-319A-94  
Sequence 121810, 16 80.0 336 18 US-10-424-599-121810  
Sequence 116899, 16 80.0 375 20 US-10-425-115-116899

## ALIGNMENTS

RESULT 1  
US-09-974-619B-30  
; Sequence 30, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/279,915  
; PRIOR FILING DATE: 2001-03-29  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 30  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-30

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Best Local Similarity 100.0%; Pred. No. 3.1;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GGTCATTGCTGCTCCAACC 20

RESULT 2  
US-09-880-107-3816  
; Sequence 3816, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379

; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3816  
; LENGTH: 1525  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X90579  
US-09-880-107-3816

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Best Local Similarity 100.0%; Pred. No. 4.6;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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## RESULT 3

US-10-641-643-1405  
; Sequence 1405, Application US/10641643  
; Publication No. US20040077003A1  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/641,643  
; FILING DATE: 14-Aug-2003  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: <Unknown>  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1405:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1599 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: G438625  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1405 :  
US-10-641-643-1405  
Query Match 100.0%; Score 20; DB 18; Length 1599;  
Best Local Similarity 100.0%; Pred. No. 4.7;



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OM nucleic - nucleic search, using sw model

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**Title:** US-09-974-619E-27

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Total number of hits satisfying chosen parameters: 2405568

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	Maximum Match	100%
	Listing first	100

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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2	22	100.0	601	4	US-09-949-016-42447	Sequence 42447, A
3	22	100.0	1599	4	US-09-023-655-1405	Sequence 1405, Ap
4	22	100.0	1707	4	US-09-023-655-1060	Sequence 1060, Ap
5	22	100.0	1707	4	US-09-949-016-121	Sequence 121, App
6	22	100.0	1707	4	US-09-949-016-1220	Sequence 1220, Ap
7	22	100.0	35803	4	US-09-949-016-11863	Sequence 11863, A
8	22	100.0	35804	4	US-09-949-016-12962	Sequence 12962, A
9	21	95.5	1512	4	US-08-377-031B-4	Sequence 4, Appli
10	21	95.5	2059	4	US-09-023-655-1062	Sequence 1062, Ap
11	21	95.5	2079	4	US-09-949-016-2691	Sequence 2691, Ap
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13	21	95.5	2759	3	US-09-144-367-1	Sequence 1, Appli
14	21	95.5	2768	4	US-09-949-016-1221	Sequence 1221, Ap
15	21	95.5	31197	4	US-09-949-016-12963	Sequence 12963, A
16	21	95.5	34172	4	US-09-949-016-14432	Sequence 14432, A
17	21	95.5	103934	4	US-09-949-016-14433	Sequence 14433, A
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19	19.4	88.2	1515	4	US-09-583-447A-3	Sequence 3, Appli
20	19.4	88.2	1633	4	US-09-583-447A-7	Sequence 7, Appli
21	19.4	88.2	1659	4	US-09-583-447A-1	Sequence 1, Appli
22	17.8	80.9	500	3	US-09-007-119-6	Sequence 6, Appli
23	17.8	80.9	601	4	US-09-949-016-70248	Sequence 70248, A
24	17.8	80.9	16547	4	US-09-949-016-13810	Sequence 13810, A
25	17.2	78.2	3192	4	US-09-788-654A-1	Sequence 1, Appli
26	17.2	78.2	12118	4	US-09-788-654A-3	Sequence 3, Appli
27	17.2	78.2	524032	4	US-09-949-016-16928	Sequence 16928, A



## ALIGNMENTS

RESULT 1  
US-09-949-016-20241  
; Sequence 20241, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 20241  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-20241

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Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 432 CATTCTTTCACTAGCACTGTTTC 453

RESULT 2  
US-09-949-016-42447  
; Sequence 42447, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 42447  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-42447

Query Match 100.0%; Score 22; DB 4; Length 601;  
Best Local Similarity 100.0%; Pred. No. 0.34;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 CATTCTTTCACTAGCACTGTTTC 22  
|||||  
Db 432 CATTCTTTCACTAGCACTGTTTC 453

RESULT 3  
US-09-023-655-1405/c  
; Sequence 1405, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,655  
; FILING DATE: HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1405:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1599 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: 9438625  
US-09-023-655-1405

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Best Local Similarity 100.0%; Pred. No. 0.39;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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RESULT 4  
US-09-023-655-1060/c  
; Sequence 1060, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 19:10:46 ; Search time 302.276 Seconds  
(without alignments)  
486.627 Million cell updates/sec

Title: US-09-974-619B-27

Perfect score: 22

Sequence: 1 cattttcactagcactgttc 22

Scoring table:

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Gapop 10.0 , Gapext 1.0

Searched: 7400704 seqs, 3343079526 residues

Total number of hits satisfying chosen parameters: 14801408

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	22	100.0	1525	9	US-09-880-107-3816
3	22	100.0	1599	18	US-10-641-643-1405
4	22	100.0	1707	9	US-09-880-107-2114
5	22	100.0	1707	18	US-10-641-643-1060
6	22	100.0	5799	22	US-10-450-763-14240
7	22	100.0	5799	22	US-10-450-763-15174

C 8	22	100.0	6637	22	US-10-450-763-6846	Sequence 6846, Ap
C 9	22	100.0	177531	21	US-10-484-577-660	Sequence 660, Ap
C 10	21	95.5	1458	20	US-10-690-991-1	Sequence 1, Appli
C 11	21	95.5	1458	21	US-10-833-296-1	Sequence 1, Appli
C 12	21	95.5	1458	22	US-10-516-338-7	Sequence 7, Appli
C 13	21	95.5	1458	24	US-11-076-967-1	Sequence 1, Appli
C 14	21	95.5	1512	17	US-10-313-963A-55	Sequence 55, Appli
C 15	21	95.5	1595	15	US-10-106-698-1724	Sequence 184, Ap
C 16	21	95.5	1608	20	US-10-335-053-301	Sequence 301, Ap
C 17	21	95.5	1971	9	US-09-954-456-184	Sequence 184, Ap
C 18	21	95.5	1971	9	US-09-880-107-1589	Sequence 1589, Ap
C 19	21	95.5	1971	9	US-09-957-997-2	Sequence 2, Appli
C 20	21	95.5	1971	10	US-09-873-367C-651	Sequence 651, Ap
C 21	21	95.5	1971	21	US-10-843-641A-651	Sequence 651, Ap
C 22	21	95.5	1971	21	US-10-843-641A-3211	Sequence 3211, Ap
C 23	21	95.5	2059	18	US-10-641-643-1062	Sequence 1062, Ap
C 24	21	95.5	2759	14	US-10-146-575-1	Sequence 1, Appli
C 25	21	95.5	2768	16	US-10-268-822-14	Sequence 14, Appli
C 26	21	95.5	2768	17	US-10-388-360-297	Sequence 297, Ap
C 27	21	95.5	2768	17	US-10-388-360-363	Sequence 363, Ap
C 28	21	95.5	2849	9	US-09-880-107-2110	Sequence 2110, Ap
C 29	21	95.5	96960	21	US-10-484-577-662	Sequence 662, Ap
C 30	19.4	88.2	100	16	US-10-029-386-19632	Sequence 19632, A
C 31	19.4	88.2	215	9	US-09-960-352-2306	Sequence 2306, Ap
C 32	19.4	88.2	323	9	US-09-960-352-12213	Sequence 12213, A
C 33	19.4	88.2	363	9	US-09-960-352-1068	Sequence 1068, Ap
C 34	19.4	88.2	377	9	US-09-960-352-15041	Sequence 15041, A
C 35	19.4	88.2	380	9	US-09-960-352-15107	Sequence 15107, A
C 36	19.4	88.2	398	9	US-09-960-352-9564	Sequence 9564, Ap
C 37	19.4	88.2	399	9	US-09-960-352-8257	Sequence 8257, Ap
C 38	19.4	88.2	404	9	US-09-960-352-7510	Sequence 7510, Ap
C 39	19.4	88.2	410	9	US-09-960-352-3955	Sequence 3955, Ap
C 40	19.4	88.2	418	9	US-09-960-352-4657	Sequence 4657, Ap
C 41	19.4	88.2	422	9	US-09-960-352-6070	Sequence 6070, Ap
C 42	19.4	88.2	423	9	US-09-960-352-12700	Sequence 12700, A
C 43	19.4	88.2	430	9	US-09-960-352-8232	Sequence 8232, Ap
C 44	19.4	88.2	434	9	US-09-960-352-4929	Sequence 4929, Ap
C 45	19.4	88.2	532	16	US-10-029-386-5822	Sequence 5822, Ap
C 46	19.4	88.2	1349	13	US-10-007-814-5	Sequence 5, Appli
C 47	19.4	88.2	1515	13	US-10-007-814-3	Sequence 3, Appli
C 48	19.4	88.2	1515	15	US-10-274-694-25	Sequence 25, Appli
C 49	19.4	88.2	1613	20	US-10-332-448-25	Sequence 25, Appli
C 50	19.4	88.2	1631	15	US-10-274-694-34	Sequence 34, Appli
C 51	19.4	88.2	1631	20	US-10-332-448-34	Sequence 34, Appli
C 52	19.4	88.2	1633	13	US-10-007-814-7	Sequence 7, Appli
C 53	19.4	88.2	1659	13	US-10-007-814-1	Sequence 1, Appli
C 54	19.4	88.2	1915	18	US-10-112-944-188	Sequence 188, Ap
C 55	19.4	88.2	96960	21	US-10-484-577-662	Sequence 662, Ap
C 56	18.4	83.6	442	9	US-09-960-352-1762	Sequence 1762, Ap
C 57	18	81.8	2011	9	US-09-880-107-1586	Sequence 1586, Ap
C 58	17.8	80.9	413	9	US-09-960-352-14416	Sequence 14416, A
C 59	17.8	80.9	500	9	US-09-954-773A-6	Sequence 6, Appli
C 60	17.8	80.9	575	13	US-10-027-632-209948	Sequence 209948, Ap
C 61	17.8	80.9	575	17	US-10-027-632-209948	Sequence 209948, Ap
C 62	17.8	80.9	576	13	US-10-027-632-225597	Sequence 225597, Ap
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C 64	17.4	79.1	314	9	US-09-983-965-1823	Sequence 1823, Ap
C 65	17.4	79.1	731	18	US-10-424-599-35967	Sequence 35967, A
C 66	17.2	78.2	452	18	US-10-424-599-101185	Sequence 101185, Ap
C 67	17.2	78.2	600	22	US-10-972-079-72356	Sequence 72356, A
C 68	17.2	78.2	611	13	US-10-027-632-232747	Sequence 232747, Ap
C 69	17.2	78.2	611	13	US-10-027-632-232748	Sequence 232748, Ap
C 70	17.2	78.2	611	13	US-10-027-632-232749	Sequence 232749, Ap
C 71	17.2	78.2	611	17	US-10-027-632-232750	Sequence 232750, Ap
C 72	17.2	78.2	611	17	US-10-027-632-232747	Sequence 232747, Ap
C 73	17.2	78.2	611	17	US-10-027-632-232748	Sequence 232748, Ap
C 74	17.2	78.2	611	17	US-10-027-632-232749	Sequence 232749, Ap
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C 76	17.2	78.2	3192	22	US-09-788-654A-1	Sequence 1, Appli
C 77	17.2	78.2	3192	22	US-10-800-865-1	Sequence 1, Appli
C 78	17.2	78.2	3213	18	US-10-112-944-34	Sequence 34, Appli
C 79	17.2	78.2	12118	9	US-09-788-654A-3	Sequence 3, Appli
C 80	17.2	78.2	12118	22	US-10-800-865-3	Sequence 3, Appli



c 81 17.2 78.2 62001 19 US-10-316-459-13  
c 82 17.2 78.2 259202 20 US-10-723-860-1311  
c 83 17.2 78.2 1691139 14 US-10-067-514-1  
c 84 17.2 78.2 1691139 17 US-10-419-723-1  
c 85 17.2 78.2 1691140 22 US-10-868-397-1  
c 86 16.8 76.4 299 19 US-10-437-963-39200  
c 87 16.8 76.4 342 20 US-10-425-115-20177  
c 88 16.8 76.4 1233 13 US-10-027-632-123077  
c 89 16.8 76.4 1233 17 US-10-087-192-262  
c 90 16.8 76.4 2360 18 US-10-425-114-3402  
c 91 16.8 76.4 2479 20 US-10-425-115-129459  
c 92 16.8 76.4 2508 20 US-10-425-115-121124  
c 93 16.8 76.4 4030 9 US-09-070-927A-264  
c 94 16.8 76.4 42007 17 US-10-085-117-337  
c 95 16.8 76.4 53954 13 US-10-087-192-262  
c 96 16.8 76.4 74868 14 US-10-175-523-67  
c 97 16.8 76.4 74868 24 US-11-099-266-67  
c 98 16.8 76.4 151858 19 US-10-322-281-653  
c 99 16.8 76.4 200620 22 US-10-704-513-4  
c 100 16.4 74.5 201 19 US-10-741-601-18006

ALIGNMENTS

RESULT 1  
US-09-974-619B-27  
; Sequence 27, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/279,915  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 27  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-27

Query Match 100.0%; Score 22; DB 10; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CATTCTTTCACTAGCACTGTTTC 22  
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RESULT 2  
US-09-880-107-3816/c  
; Sequence 3816, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379

; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: PatentIn Ver. 2.1  
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; LENGTH: 1525  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X90579  
US-09-880-107-3816

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RESULT 3  
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; Sequence 1405, Application US/10641643  
; Publication No. US20040077003A1  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; Susan G. Stuart  
; Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL  
; GENE EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
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; APPLICATION NUMBER: US/10/641,643  
; FILING DATE: 14-Aug-2003  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: <Unknown>  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 853-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1405:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1599 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: g438625  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1405 :  
US-10-641-643-1405

Query Match 100.0%; Score 22; DB 18; Length 1599;  
Best Local Similarity 100.0%; Pred. No. 2;



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OM nucleic - nucleic search, using sw model

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Title: US-09-974-619E-26

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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Issued patents NA.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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5	16.8	84.0	930	4	US-09-543-681A-2262
6	16.8	84.0	1719	4	US-09-248-796A-1633
7	16.8	84.0	3416	2	US-08-701-240-3
8	16.8	84.0	3416	3	US-08-138-236-3
9	16.8	84.0	28473	3	US-08-961-527-83
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11	16.8	84.0	640681	4	US-09-790-988-1
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77	15.8	79.0	881	4	US-08-956-171B-518	Sequence 518, App
78	15.8	79.0	881	4	US-08-781-986A-518	Sequence 518, App
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## ALIGNMENTS

## RESULT 1

US-09-949-016-11863  
; Sequence 11863, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11863  
; LENGTH: 35803  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11863

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Best Local Similarity 100.0%; Pred. No. 42;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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## RESULT 2

US-09-949-016-12962  
; Sequence 12962, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
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; SOFTWARE: FastSeq for Windows Version 4.0  
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US-09-949-016-12962

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## RESULT 3

US-09-949-016-11944/c  
; Sequence 11944, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
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US-09-949-016-11944

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Db 44505 TAATATTCCTTTTGATAAT 44487

## RESULT 4

US-09-949-016-15690/c  
; Sequence 15690, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
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US-09-949-016-15690

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Best Local Similarity 94.7%; Pred. No. 4.1e+02;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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## RESULT 5

US-09-543-681A-2262/c  
; Sequence 2262, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:



GenCore version 5.1.6  
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Title: US-09-974-619E-26

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Listing first 100 summaries

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#### SUMMARIES

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5	18.4	92.0	723	18	US-10-424-599-117905
C 6	18	90.0	527	20	US-10-425-115-183365
C 7	17.4	87.0	203	18	US-10-424-599-11982

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C 9	17.4	87.0	417	18	US-10-424-599-126664	Sequence 126664, A
C 10	17.4	87.0	419	18	US-10-424-599-82831	Sequence 82831, A
C 11	17.4	87.0	589	18	US-10-424-599-32704	Sequence 32704, A
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C 17	17.4	87.0	9015	15	US-10-311-455-180	Sequence 180, App
C 18	17.4	87.0	38299	19	US-10-741-601-5755	Sequence 5755, Ap
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C 74	16.8	84.0	2889	9	US-09-917-800A-1330	Sequence 1330, Ap
C 75	16.8	84.0	3229	19	US-10-437-963-77227	Sequence 77227, A
C 76	16.8	84.0	3437	19	US-10-437-963-34823	Sequence 34823, A
C 77	16.8	84.0	3707	19	US-10-313-972-118	Sequence 118, App
C 78	16.8	84.0	3707	19	US-10-313-972-119	Sequence 119, App
C 79	16.8	84.0	5380	15	US-10-311-455-1161	Sequence 1161, Ap
C 80	16.8	84.0	5981	15	US-10-311-455-1735	Sequence 1735, Ap



81 16.8 84.0 6277 15 US-10-311-455-2013 Sequence 2013, Ap  
82 16.8 84.0 6277 18 US-10-221-714A-453 Sequence 453, App  
83 16.8 84.0 7892 17 US-10-257-166-137 Sequence 137, App  
84 16.8 84.0 8170 15 US-10-240-453-131 Sequence 131, App  
85 16.8 84.0 8349 15 US-10-311-455-1762 Sequence 1762, App  
86 16.8 84.0 28473 8 US-08-961-527-83 Sequence 83, Appl  
87 16.8 84.0 28473 17 US-10-158-844-83 Sequence 83, Appl  
88 16.8 84.0 145806 20 US-10-719-993-6943 Sequence 6943, Ap  
89 16.8 84.0 383432 22 US-10-737-082-34 Sequence 34, Appl  
90 16.8 84.0 383432 22 US-10-765-790-34 Sequence 34, Appl  
91 16.8 84.0 640681 9 US-09-790-988-1 Sequence 1, Appl  
92 16.8 84.0 1503841 9 US-09-795-668-1 Sequence 1, Appl  
93 16.8 84.0 1503841 9 US-09-795-668-1 Sequence 1, Appl  
94 16.8 84.0 1503841 9 US-09-946-807-1 Sequence 1, Appl  
95 16.8 84.0 2162598 21 US-10-472-928-4979 Sequence 4979, Ap  
96 16.8 84.0 3673778 16 US-10-312-841-1 Sequence 1, Appl  
97 16.8 84.0 3673778 16 US-10-312-841-2 Sequence 2, Appl  
98 16.4 82.0 201 19 US-10-741-601-9774 Sequence 9774, Ap  
99 16.4 82.0 201 19 US-10-741-601-13375 Sequence 13375, A  
100 16.4 82.0 201 21 US-10-741-600-24134 Sequence 24134, A

## ALIGNMENTS

RESULT 1  
US-09-974-619B-26  
; Sequence 26, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 26  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-26

Query Match 100.0%; Score 20; DB 10; Length 20;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAATATTCCTTTTGATAATG 20  
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Db 1 TAATATTCCTTTTGATAATG 20

RESULT 2  
US-09-814-353-21935  
; Sequence 21935, Application US/09814353  
; Publication No. US20030165831A1  
; GENERAL INFORMATION:  
; APPLICANT: Lee, John  
; APPLICANT: Thompson, Pamela  
; APPLICANT: Lillie, James  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER  
; FILE REFERENCE: MRI-006B  
; CURRENT APPLICATION NUMBER: US/09/814,353  
; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: US 60/191,031  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/207,124  
; PRIOR FILING DATE: 2000-05-25  
; PRIOR APPLICATION NUMBER: US 60/211,940  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 60/216,820  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 60/220,661  
; PRIOR FILING DATE: 2000-07-25  
; PRIOR APPLICATION NUMBER: US 60/257,672  
; PRIOR FILING DATE: 2000-12-21  
; NUMBER OF SEQ ID NOS: 22037  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21935  
; LENGTH: 1776  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1775\_1776  
; OTHER INFORMATION: n = A,T,C or G  
US-09-814-353-21935

Query Match 100.0%; Score 20; DB 10; Length 1776;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAATATTCCTTTTGATAATG 20  
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Db 1539 TAATATTCCTTTTGATAATG 1558

RESULT 3  
US-10-484-577-660  
; Sequence 660, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A1  
; FILE REFERENCE: F2885PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; PRIOR FILING DATE: 2004-01-22  
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
; PRIOR FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 660  
; LENGTH: 177531  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-484-577-660

Query Match 100.0%; Score 20; DB 21; Length 177531;  
Best Local Similarity 100.0%; Pred. No. 7.2e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAATATTCCTTTTGATAATG 20  
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Db 22743 TAATATTCCTTTTGATAATG 22762

RESULT 4  
US-10-424-599-117903/c  
; Sequence 117903, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K



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Title: US-09-974-619E-25

Perfect score: 20

Sequence: 1 gcaatgtaggaaggaggct 20

Scoring table:

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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- 6: /cgm2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 4	18.4	92.0	802	4	US-09-016-434-687
C 5	18.4	92.0	823	4	US-09-545-894-1
C 6	18.4	92.0	6836	4	US-09-949-016-15581
C 7	18.4	92.0	31197	4	US-09-949-016-12963
C 8	18.4	92.0	34172	4	US-09-949-016-14432
C 9	18.4	92.0	38368	4	US-09-949-016-12958
C 10	18.4	92.0	90724	4	US-09-949-016-16601
C 11	18.4	92.0	103934	4	US-09-949-016-14433
C 12	17.4	87.0	601	4	US-09-949-016-19521
C 13	17.4	87.0	601	4	US-09-949-016-151878
C 14	17.4	87.0	8879	4	US-09-949-016-11827
C 15	17.4	87.0	8880	4	US-09-949-016-16003
C 16	16.8	84.0	1114	4	US-09-976-594-412
C 17	16.4	82.0	247781	4	US-09-949-016-14193
C 18	15.8	79.0	259	4	US-09-513-899C-32868
C 19	15.8	79.0	2540	4	US-09-244-805-20
C 20	15.8	79.0	15071	4	US-09-358-082A-29
C 21	15.8	79.0	15564	4	US-09-358-082A-29
C 22	15.8	79.0	15564	4	US-09-949-016-12783
C 23	15.8	79.0	17704	4	US-09-949-016-14878
C 24	15.8	79.0	154023	4	US-09-949-016-17057
C 25	15.8	79.0	194537	4	US-09-949-016-12928
C 26	15.8	79.0	201529	4	US-09-949-016-12740
C 27	15.4	77.0	519	4	US-09-621-976-17968

C 28	15.4	77.0	601	4	US-09-949-016-115484	Sequence 115484,
C 29	15.4	77.0	601	4	US-09-949-016-115577	Sequence 115577,
C 30	15.4	77.0	601	4	US-09-949-016-115670	Sequence 115670,
C 31	15.4	77.0	601	4	US-09-949-016-115763	Sequence 115763,
C 32	15.4	77.0	601	4	US-09-949-016-115856	Sequence 115856,
C 33	15.4	77.0	601	4	US-09-949-016-115949	Sequence 115949,
C 34	15.4	77.0	601	4	US-09-949-016-116042	Sequence 116042,
C 35	15.4	77.0	601	4	US-09-949-016-116135	Sequence 116135,
C 36	15.4	77.0	601	4	US-09-949-016-116228	Sequence 116228,
C 37	15.4	77.0	601	4	US-09-949-016-116321	Sequence 116321,
C 38	15.4	77.0	601	4	US-09-949-016-182743	Sequence 182743,
C 39	15.4	77.0	1473	4	US-09-620-312B-941	Sequence 941, App
C 40	15.4	77.0	2100	4	US-09-919-039-139	Sequence 139, App
C 41	15.4	77.0	3495	4	US-09-976-594-470	Sequence 470, App
C 42	15.4	77.0	8581	4	US-09-949-016-15930	Sequence 15930, A
C 43	15.4	77.0	67911	4	US-09-949-016-16979	Sequence 16979, A
C 44	15.4	77.0	132438	4	US-09-949-016-14349	Sequence 14349, A
C 45	15.4	77.0	132438	4	US-09-949-016-14350	Sequence 14350, A
C 46	15.4	77.0	529885	4	US-09-949-016-14340	Sequence 14340, A
C 47	15.4	77.0	529885	4	US-09-949-016-14341	Sequence 14341, A
C 48	15.4	77.0	529885	4	US-09-949-016-14342	Sequence 14342, A
C 49	15.4	77.0	529885	4	US-09-949-016-14343	Sequence 14343, A
C 50	15.4	77.0	529885	4	US-09-949-016-14344	Sequence 14344, A
C 51	15.4	77.0	529885	4	US-09-949-016-14345	Sequence 14345, A
C 52	15.4	77.0	529885	4	US-09-949-016-14346	Sequence 14346, A
C 53	15.4	77.0	529885	4	US-09-949-016-14347	Sequence 14347, A
C 54	15.4	77.0	1230025	4	US-09-198-452A-1	Sequence 1, Appli
C 55	15.4	77.0	1230230	4	US-09-438-185A-1	Sequence 1, Appli
C 56	15.2	76.0	483	4	US-09-621-976-12529	Sequence 12529, A
C 57	15.2	76.0	601	4	US-09-949-016-24983	Sequence 24983, A
C 58	15.2	76.0	601	4	US-09-949-016-24984	Sequence 24984, A
C 59	15.2	76.0	601	4	US-09-949-016-42508	Sequence 42508, A
C 60	15.2	76.0	601	4	US-09-949-016-42509	Sequence 42509, A
C 61	15.2	76.0	601	4	US-09-949-016-52650	Sequence 52650, A
C 62	15.2	76.0	601	4	US-09-949-016-52651	Sequence 52651, A
C 63	15.2	76.0	601	4	US-09-949-016-52652	Sequence 52652, A
C 64	15.2	76.0	601	4	US-09-949-016-52653	Sequence 52653, A
C 65	15.2	76.0	601	4	US-09-949-016-52654	Sequence 52654, A
C 66	15.2	76.0	601	4	US-09-949-016-65632	Sequence 65632, A
C 67	15.2	76.0	601	4	US-09-949-016-65633	Sequence 65633, A
C 68	15.2	76.0	601	4	US-09-949-016-126787	Sequence 126787,
C 69	15.2	76.0	601	4	US-09-949-016-126836	Sequence 126836,
C 70	15.2	76.0	601	4	US-09-949-016-126885	Sequence 126885,
C 71	15.2	76.0	601	4	US-09-949-016-131727	Sequence 131727,
C 72	15.2	76.0	601	4	US-09-949-016-134420	Sequence 134420,
C 73	15.2	76.0	601	4	US-09-949-016-134469	Sequence 134469,
C 74	15.2	76.0	601	4	US-09-949-016-134518	Sequence 134518,
C 75	15.2	76.0	601	4	US-09-949-016-174084	Sequence 174084,
C 76	15.2	76.0	601	4	US-09-949-016-174085	Sequence 174085,
C 77	15.2	76.0	2045	4	US-08-753-7508-5	Sequence 5, Appli
C 78	15.2	76.0	3293	4	US-09-949-016-4658	Sequence 4658, Ap
C 79	15.2	76.0	3314	4	US-09-949-016-836	Sequence 836, App
C 80	15.2	76.0	3653	3	US-09-596-824-3	Sequence 3, Appli
C 81	15.2	76.0	3653	4	US-09-885-329-3	Sequence 3, Appli
C 82	15.2	76.0	4481	3	US-09-041-886-18	Sequence 18, Appli
C 83	15.2	76.0	4481	4	US-09-648-281-1	Sequence 1, Appli
C 84	15.2	76.0	4481	4	US-09-707-919A-20	Sequence 20, Appli
C 85	15.2	76.0	4481	4	US-09-083-268-2	Sequence 2, Appli
C 86	15.2	76.0	4484	4	US-09-949-016-4498	Sequence 4498, Ap
C 87	15.2	76.0	6470	4	US-09-620-312B-255	Sequence 255, App
C 88	15.2	76.0	13187	3	US-09-422-936-61	Sequence 61, Appli
C 89	15.2	76.0	14967	4	US-09-949-016-15448	Sequence 15448, A
C 90	15.2	76.0	20481	4	US-09-949-016-12093	Sequence 12093, A
C 91	15.2	76.0	20482	4	US-09-949-016-13660	Sequence 13660, A
C 92	15.2	76.0	31440	4	US-09-949-016-12578	Sequence 12578, A
C 93	15.2	76.0	31444	4	US-09-949-016-16400	Sequence 16400, A
C 94	15.2	76.0	36302	4	US-09-949-016-11998	Sequence 11998, A
C 95	15.2	76.0	36302	4	US-09-949-016-13891	Sequence 13891, A
C 96	15.2	76.0	44947	4	US-09-949-016-12018	Sequence 12018, A
C 97	15.2	76.0	44947	4	US-09-949-016-13101	Sequence 13101, A
C 98	15.2	76.0	56963	4	US-09-949-016-12966	Sequence 12966, A
C 99	15.2	76.0	56968	4	US-09-949-016-11888	Sequence 11888, A
C 100	15.2	76.0	57978	4	US-09-949-016-16667	Sequence 16667, A



## ALIGNMENTS

RESULT 1  
US-09-949-016-11863/c  
; Sequence 11863, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11863  
; LENGTH: 35803  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11863

Query Match 100.0%; Score 20; DB 4; Length 35803;  
Best Local Similarity 100.0%; Pred. No. 3;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCAATGTAGGAAGGGGCT 20  
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Db 10340 GCAATGTAGGAAGGGGCT 10321

RESULT 2  
US-09-949-016-12962/c  
; Sequence 12962, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12962  
; LENGTH: 35804  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-12962

Query Match 100.0%; Score 20; DB 4; Length 35804;  
Best Local Similarity 100.0%; Pred. No. 3;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCAATGTAGGAAGGGGCT 20  
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RESULT 3  
US-09-949-016-171682  
; Sequence 171682, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 171682  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-171682

Query Match 92.0%; Score 18.4; DB 4; Length 601;  
Best Local Similarity 95.0%; Pred. No. 9.3;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCAATGTAGGAAGGGGCT 20  
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Db 167 GCAATGTAGGAAGGGGCT 186

RESULT 4  
US-09-016-434-687  
; Sequence 687, Application US/09016434  
; Patent No. 6500938  
; GENERAL INFORMATION:  
; APPLICANT: Janice Au-Young  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
; NUMBER OF SEQUENCES: 1490  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/016,434  
; FILING DATE: HEREWITH  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0002 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 687:  
; SEQUENCE CHARACTERISTICS:



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Title: US-09-974-619E-25

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Total number of hits satisfying chosen parameters: 14801408

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3:	/cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4:	/cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5:	/cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
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21:	/cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	20	100.0	177531	21	US-10-484-577-660
C 3	18.4	92.0	484	21	US-10-696-639-2971
4	18.4	92.0	802	17	US-10-305-720-687
5	18.4	92.0	825	8	US-08-927-939-28
6	18.4	92.0	832	13	US-08-927-939-33
7	18.4	92.0	835	13	US-10-044-090-838
					Sequence 25, Appl
					Sequence 660, App
					Sequence 2971, App
					Sequence 687, App
					Sequence 28, Appl
					Sequence 31, Appl
					Sequence 838, App

8	18.4	92.0	860	9	US-09-872-611A-3	Sequence 3, Appli
9	18.4	92.0	860	17	US-10-172-118-1148	Sequence 1148, Ap
10	18.4	92.0	860	17	US-10-295-027-1004	Sequence 1004, Ap
11	18.4	92.0	860	18	US-10-342-887-1148	Sequence 1148, Ap
12	18.4	92.0	861	20	US-10-723-860-3703	Sequence 3703, Ap
13	18.4	92.0	861	22	US-10-756-149-3605	Sequence 3605, Ap
14	18.4	92.0	887	20	US-10-723-860-7657	Sequence 7657, Ap
C 15	18.4	92.0	96960	21	US-10-484-577-662	Sequence 662, App
C 16	17.4	87.0	60327	18	US-10-052-484-187	Sequence 187, App
C 17	17	85.0	356	18	US-10-424-599-20195	Sequence 20195, A
C 18	17	85.0	2031	22	US-10-450-763-26321	Sequence 26321, A
C 19	16.8	84.0	274	20	US-10-425-115-92980	Sequence 92980, A
C 20	16.8	84.0	145088	19	US-10-322-281-33	Sequence 33, Appl
C 21	16.8	84.0	254087	13	US-10-087-197-223	Sequence 223, App
C 22	16.4	82.0	60	10	US-09-908-975-11334	Sequence 11334, A
C 23	16.4	82.0	510	13	US-10-027-632-134512	Sequence 134512,
C 24	16.4	82.0	510	17	US-10-027-632-134512	Sequence 134512,
C 25	16.4	82.0	637	13	US-10-027-632-219393	Sequence 219393,
C 26	16.4	82.0	637	17	US-10-027-632-219393	Sequence 219393,
C 27	16.4	82.0	649	20	US-10-425-115-153110	Sequence 153110,
C 28	16.4	82.0	838	13	US-10-027-632-167310	Sequence 167310,
C 29	16.4	82.0	838	13	US-10-027-632-167310	Sequence 167310,
C 30	16.4	82.0	838	13	US-10-027-632-167311	Sequence 167311,
C 31	16.4	82.0	838	17	US-10-027-632-167309	Sequence 167309,
C 32	16.4	82.0	838	17	US-10-027-632-167310	Sequence 167310,
C 33	16.4	82.0	838	17	US-10-027-632-167311	Sequence 167311,
C 34	16.4	82.0	2318	13	US-10-027-632-101808	Sequence 101808,
C 35	16.4	82.0	2318	13	US-10-027-632-101809	Sequence 101809,
C 36	16.4	82.0	2318	17	US-10-027-632-101808	Sequence 101808,
C 37	16.4	82.0	2318	17	US-10-027-632-101809	Sequence 101809,
C 38	16.4	82.0	2325	13	US-10-027-632-103240	Sequence 103240,
C 39	16.4	82.0	2325	17	US-10-027-632-103240	Sequence 103240,
C 40	16.4	82.0	80959	9	US-09-858-546-3	Sequence 3, Appli
C 41	15.8	79.0	201	19	US-10-741-601-8752	Sequence 8752, Ap
C 42	15.8	79.0	201	19	US-10-741-601-8753	Sequence 8753, Ap
C 43	15.8	79.0	201	19	US-10-741-601-9095	Sequence 9095, Ap
C 44	15.8	79.0	201	19	US-10-741-601-9101	Sequence 9101, Ap
C 45	15.8	79.0	201	19	US-10-741-601-9198	Sequence 9198, Ap
C 46	15.8	79.0	201	19	US-10-741-601-9198	Sequence 9198, Ap
C 47	15.8	79.0	201	19	US-10-741-601-9422	Sequence 9422, Ap
C 48	15.8	79.0	201	19	US-10-741-601-12788	Sequence 12788, A
C 49	15.8	79.0	201	19	US-10-741-601-12789	Sequence 12789, A
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C 52	15.8	79.0	201	21	US-10-741-600-23108	Sequence 23108, A
C 53	15.8	79.0	201	21	US-10-741-600-23453	Sequence 23453, A
C 54	15.8	79.0	201	21	US-10-741-600-23459	Sequence 23459, A
C 55	15.8	79.0	201	21	US-10-741-600-23554	Sequence 23554, A
C 56	15.8	79.0	201	21	US-10-741-600-23556	Sequence 23556, A
C 57	15.8	79.0	201	21	US-10-741-600-23780	Sequence 23780, A
C 58	15.8	79.0	201	21	US-10-741-600-31068	Sequence 31068, A
C 59	15.8	79.0	201	21	US-10-741-600-31069	Sequence 31069, A
C 60	15.8	79.0	201	21	US-10-741-600-31423	Sequence 31423, A
C 61	15.8	79.0	285	19	US-10-437-963-62794	Sequence 62794, A
C 62	15.8	79.0	327	20	US-10-425-115-50712	Sequence 50712, A
C 63	15.8	79.0	452	9	US-09-864-761-1941	Sequence 1941, Ap
C 64	15.8	79.0	588	13	US-10-027-632-274322	Sequence 274322,
C 65	15.8	79.0	588	17	US-10-027-632-274322	Sequence 274322,
C 66	15.8	79.0	699	13	US-10-027-632-275963	Sequence 275963,
C 67	15.8	79.0	699	17	US-10-027-632-275963	Sequence 275963,
C 68	15.8	79.0	794	18	US-10-424-599-51245	Sequence 51245, A
C 69	15.8	79.0	1017	22	US-10-501-282-621	Sequence 621, App
C 70	15.8	79.0	1017	22	US-10-501-282-623	Sequence 623, App
C 71	15.8	79.0	1912	9	US-09-764-847-1978	Sequence 1978, Ap
C 72	15.8	79.0	1912	14	US-10-092-154-1978	Sequence 1978, Ap
C 73	15.8	79.0	2221	22	US-10-450-763-7987	Sequence 7987, Ap
C 74	15.8	79.0	2540	10	US-09-244-803-20	Sequence 20, Appl
C 75	15.8	79.0	2540	10	US-09-245-277-20	Sequence 20, Appl
C 76	15.8	79.0	2540	19	US-10-792-481-20	Sequence 20, Appl
C 77	15.8	79.0	4225	15	US-10-128-714-193	Sequence 193, App
C 78	15.8	79.0	4939	15	US-10-128-714-5193	Sequence 5193, App
C 79	15.8	79.0	11105	19	US-10-163-863A-32	Sequence 32, Appl
C 80	15.8	79.0	11216	19	US-10-163-863A-31	Sequence 31, Appl



C 81 15.8 79.0 11941 19 US-10-163-863A-30 Sequence 30, Appl  
C 82 15.8 79.0 12041 16 US-10-117-960-9 Sequence 9, Appl  
C 83 15.8 79.0 12052 19 US-10-163-863A-29 Sequence 29, Appl  
C 84 15.8 79.0 12221 16 US-10-117-960-12 Sequence 12, Appl  
C 85 15.8 79.0 12815 21 US-10-741-601-5724 Sequence 5724, Ap  
C 86 15.8 79.0 12815 21 US-10-741-601-17853 Sequence 17853, A  
C 87 15.8 79.0 13547 16 US-10-117-960-2 Sequence 2, Appl  
C 88 15.8 79.0 14262 19 US-10-163-863A-9 Sequence 9, Appl  
C 89 15.8 79.0 15071 9 US-09-358-082A-29 Sequence 29, Appl  
C 90 15.8 79.0 15071 14 US-10-224-972-29 Sequence 29, Appl  
C 91 15.8 79.0 15071 14 US-10-224-993-29 Sequence 29, Appl  
C 92 15.8 79.0 15071 14 US-10-225-418-29 Sequence 29, Appl  
C 93 15.8 79.0 15071 14 US-10-225-073-29 Sequence 29, Appl  
C 94 15.8 79.0 15071 24 US-11-087-052-29 Sequence 29, Appl  
C 95 15.8 79.0 16163 10 US-09-764-891-6505 Sequence 6505, Ap  
C 96 15.8 79.0 16163 17 US-10-091-414-270 Sequence 270, App  
C 97 15.8 79.0 59247 19 US-10-741-601-5741 Sequence 5741, Ap  
98 15.8 79.0 59247 21 US-10-741-600-17890 Sequence 17890, A  
99 15.8 79.0 112486 19 US-10-741-601-5641 Sequence 5641, Ap  
100 15.8 79.0 112486 21 US-10-741-600-17642 Sequence 17642, A

## ALIGNMENTS

## RESULT 1

US-09-974-619B-25 Sequence 25, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 25  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-25

Query Match 100.0%; Score 20; DB 10; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.1;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCAATGTAGGAAGGAGGCT 20  
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DB 1 GCAATGTAGGAAGGAGGCT 20

## RESULT 2

US-10-484-577-660/c Sequence 660, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A  
; FILE REFERENCE: F2285PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; CURRENT FILING DATE: 2004-01-22  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR FILING DATE: 2001-07-23

; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 660  
; LENGTH: 177531  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-484-577-660

Query Match 100.0%; Score 20; DB 21; Length 177531;  
Best Local Similarity 100.0%; Pred. No. 5.2;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 24161 GCAATGTAGGAAGGAGGCT 24142

## RESULT 3

US-10-696-639-2971/c Sequence 2971, Application US/10696639  
; Publication No. US20050037439A1  
; GENERAL INFORMATION:  
; APPLICANT: Pharmacia Corporation  
; APPLICANT: Bourner, Maureen J.  
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE  
; TITLE OF INVENTION: POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME  
; FILE REFERENCE: 01040/1  
; CURRENT APPLICATION NUMBER: US/10/696,639  
; CURRENT FILING DATE: 2003-10-29  
; PRIOR APPLICATION NUMBER: 60/422,176  
; PRIOR FILING DATE: 2002-10-29  
; NUMBER OF SEQ ID NOS: 3114  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2971  
; LENGTH: 484  
; TYPE: DNA  
; ORGANISM: homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (464)..(464)  
; OTHER INFORMATION: n=unknown  
US-10-696-639-2971

Query Match 92.0%; Score 18.4; DB 21; Length 484;  
Best Local Similarity 95.0%; Pred. No. 28;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 81 GCAATGTAGGAAGGAGGCT 62

## RESULT 4

US-10-305-720-687 Sequence 687, Application US/10305720  
; Publication No. US20040010136A1  
; GENERAL INFORMATION:  
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.  
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression  
; FILE REFERENCE: PA-0002-1 CON  
; CURRENT APPLICATION NUMBER: US/10/305,720  
; CURRENT FILING DATE: 2002-11-26  
; PRIOR APPLICATION NUMBER: 09/016,434  
; PRIOR FILING DATE: 1998-01-30  
; NUMBER OF SEQ ID NOS: 1490  
; SOFTWARE: PERL Program  
; SEQ ID NO 687  
; LENGTH: 802  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:



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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 16:40:29 ; Search time 51.2143 Seconds  
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Title: US-09-974-619E-24

Perfect score: 21

Sequence: 1 cctgccttcatttttcactg 21

Scoring table: IDENTITY NUC

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21	100.0	35803	4	US-09-949-016-11863
2	21	100.0	35804	4	US-09-949-016-12962
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4	16.8	80.0	720	1	US-08-153-848-35
5	16.8	80.0	720	3	US-09-299-843A-35
6	16.8	80.0	720	3	US-09-088-337B-35
7	16.8	80.0	720	5	PCT-US93-11153-35
8	16.8	80.0	70308	4	US-09-949-016-15601
9	16.8	80.0	162450	3	US-09-345-882-1
10	16.4	78.1	38575	4	US-09-949-016-17304
11	16.4	78.1	42000	4	US-10-081-563-25
12	16.4	78.1	119153	4	US-09-949-016-12378
13	16.4	78.1	392000	4	US-10-027-983-11
14	16.2	77.1	99	4	US-09-513-999C-16438
15	16.2	77.1	601	4	US-09-949-016-35216
16	16.2	77.1	601	4	US-09-949-016-57816
17	16.2	77.1	601	4	US-09-949-016-77691
18	16.2	77.1	601	4	US-09-949-016-89019
19	16.2	77.1	798	4	US-09-248-796A-1343
20	16.2	77.1	1050	4	US-09-170-496D-43
21	16.2	77.1	1050	4	US-09-170-496D-187
22	16.2	77.1	1050	4	US-09-364-425B-14
23	16.2	77.1	2044	1	US-08-071-601-3
24	16.2	77.1	2044	2	US-08-621-100-3
25	16.2	77.1	2638	4	US-09-461-912A-18
26	16.2	77.1	2711	4	US-09-949-016-2261
27	16.2	77.1	2717	4	US-09-461-912A-33

28	16.2	77.1	2717	4	US-09-949-016-884	Sequence 884, App
29	16.2	77.1	2764	2	US-08-465-971B-1	Sequence 1, Appl
30	16.2	77.1	3620	4	US-09-023-655-814	Sequence 814, App
31	16.2	77.1	4532	4	US-09-930-377B-1	Sequence 1, Appl
32	16.2	77.1	8445	4	US-09-949-016-12626	Sequence 12626, A
33	16.2	77.1	8449	4	US-09-949-016-14003	Sequence 14003, A
34	16.2	77.1	36907	4	US-09-949-016-12633	Sequence 12633, A
35	16.2	77.1	36933	4	US-09-949-016-15585	Sequence 15585, A
36	16.2	77.1	39239	4	US-09-949-016-16265	Sequence 16265, A
37	16.2	77.1	162465	4	US-09-949-016-14264	Sequence 14264, A
38	16.2	77.1	236474	4	US-09-949-016-13418	Sequence 13418, A
39	16.2	77.1	276237	4	US-09-949-016-17504	Sequence 17504, A
40	16.2	77.1	784039	4	US-09-949-016-14033	Sequence 14033, A
41	16.2	77.1	828152	4	US-09-949-016-12777	Sequence 12777, A
42	16	76.2	601	4	US-09-949-016-153771	Sequence 153771, A
43	16	76.2	1251	4	US-09-248-796A-12893	Sequence 12893, A
44	16	76.2	20079	4	US-09-949-016-16060	Sequence 16060, A
45	16	76.2	57331	4	US-09-949-016-17277	Sequence 17277, A
46	16	76.2	144158	4	US-09-949-016-11755	Sequence 11755, A
47	16	76.2	144158	4	US-09-949-016-12936	Sequence 12936, A
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55	15.8	75.2	601	4	US-09-949-016-137493	Sequence 137493, A
56	15.8	75.2	601	4	US-09-949-016-148308	Sequence 148308, A
57	15.8	75.2	601	4	US-09-949-016-177706	Sequence 177706, A
58	15.8	75.2	601	4	US-09-949-016-177707	Sequence 177707, A
59	15.8	75.2	1101	4	US-09-424-712-1	Sequence 1, Appl
60	15.8	75.2	1103	4	US-09-424-712-2	Sequence 2, Appl
61	15.8	75.2	3268	4	US-09-710-279-4174	Sequence 4174, Ap
62	15.8	75.2	3464	3	US-09-318-448-30	Sequence 30, Appl
63	15.8	75.2	6276	4	US-09-949-016-2009	Sequence 2009, Ap
64	15.8	75.2	6284	4	US-09-949-016-1028	Sequence 1028, Ap
65	15.8	75.2	27455	4	US-09-949-016-15905	Sequence 15905, A
66	15.8	75.2	39376	4	US-09-949-016-17536	Sequence 17536, A
67	15.8	75.2	39754	4	US-09-949-016-14689	Sequence 14689, A
68	15.8	75.2	43507	4	US-09-949-016-13297	Sequence 13297, A
69	15.8	75.2	73818	4	US-09-949-016-16822	Sequence 16822, A
70	15.8	75.2	77661	4	US-09-949-016-12770	Sequence 12770, A
71	15.8	75.2	91062	4	US-09-949-016-13751	Sequence 13751, A
72	15.8	75.2	96739	4	US-09-949-016-13019	Sequence 13019, A
73	15.8	75.2	96739	4	US-09-949-016-15606	Sequence 15606, A
74	15.8	75.2	132871	4	US-09-949-016-13863	Sequence 13863, A
75	15.8	75.2	161607	4	US-09-949-016-12210	Sequence 12210, A
76	15.8	75.2	174259	4	US-09-949-016-11968	Sequence 11968, A
77	15.8	75.2	174262	4	US-09-949-016-14259	Sequence 14259, A
78	15.8	75.2	258775	4	US-09-949-016-16435	Sequence 16435, A
79	15.4	73.3	418	4	US-09-513-999C-35965	Sequence 35965, A
80	15.4	73.3	495	4	US-09-328-475C-209	Sequence 209, App
81	15.4	73.3	499	4	US-09-328-475C-211	Sequence 211, App
82	15.4	73.3	601	4	US-09-949-016-103463	Sequence 103463, A
83	15.4	73.3	601	4	US-09-949-016-105464	Sequence 105464, A
84	15.4	73.3	812	4	US-09-328-475C-121	Sequence 121, App
85	15.4	73.3	820	4	US-09-328-475C-210	Sequence 210, App
86	15.4	73.3	5894	3	US-08-665-259-24	Sequence 24, Appl
87	15.4	73.3	5894	3	US-08-762-500-24	Sequence 24, Appl
88	15.4	73.3	6447	4	US-09-949-016-4925	Sequence 4925, Ap
89	15.4	73.3	6525	3	US-08-762-500-74	Sequence 74, Appl
90	15.4	73.3	11112	4	US-09-949-016-15971	Sequence 15971, A
91	15.4	73.3	57978	4	US-09-949-016-16667	Sequence 16667, A
92	15.4	73.3	87216	4	US-09-949-016-15891	Sequence 15891, A
93	15.4	73.3	119762	4	US-09-949-016-17313	Sequence 17313, A
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95	15.4	73.3	148156	4	US-09-949-016-11776	Sequence 11776, A
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## ALIGNMENTS

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; Sequence 11863, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11863  
; LENGTH: 35803  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11863

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Best Local Similarity 100.0%; Pred. No. 3.2;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 8898 CCTGCCTTCAATTTTCACTG 8918

RESULT 2  
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; Sequence 12962, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12962  
; LENGTH: 35804  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-12962

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Best Local Similarity 100.0%; Pred. No. 3.2;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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RESULT 3  
US-09-248-796A-709  
; Sequence 709, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstock et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
; FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 709  
; LENGTH: 897  
; TYPE: DNA  
; ORGANISM: Candida albicans  
US-09-248-796A-709

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Best Local Similarity 94.7%; Pred. No. 86;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
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RESULT 4  
US-08-153-848-35  
; Sequence 35, Application US/08153848  
; Patent No. 5759804  
; GENERAL INFORMATION:  
; APPLICANT: Godiska, Ronald  
; APPLICANT: Gray, Patrick W.  
; APPLICANT: Schweikart, Vicki L.  
; TITLE OF INVENTION: No. 5759804e1 Seven Transmembrane Receptors  
; NUMBER OF SEQUENCES: 64  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
; ADDRESSEE: Bicknell  
; STREET: 6300 Sears Tower, 233 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/153,848  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/977,452  
; FILING DATE: 17-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5759804and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31794  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 720 base pairs  
; TYPE: nucleic acid



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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Title: US-09-974-619E-24

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Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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4	18.4	87.6	576	13	US-10-027-632-78895
5	18.4	87.6	576	13	US-10-027-632-80004
6	18.4	87.6	576	17	US-10-027-632-78895
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8	18.4	87.6	588	13	US-10-027-632-85274	Sequence 85274, A
9	18.4	87.6	588	13	US-10-027-632-109383	Sequence 109383, A
10	18.4	87.6	588	17	US-10-027-632-85274	Sequence 85274, A
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12	17.8	84.8	2295	17	US-10-108-260A-1290	Sequence 1290, Ap
13	17.4	82.9	170	17	US-10-242-535A-20041	Sequence 20041, A
14	17.4	82.9	170	18	US-10-085-783A-20041	Sequence 20041, A
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16	17.4	82.9	2000	11	US-09-938-842A-4108	Sequence 4108, Ap
17	17.4	82.9	3406	9	US-09-764-877-2638	Sequence 2638, Ap
18	17.4	82.9	3406	21	US-10-242-515-2638	Sequence 110, App
19	17.4	82.9	8160	21	US-10-804-678-110	Sequence 322, App
20	17.4	82.9	144035	13	US-10-087-192-322	Sequence 322, App
21	17.4	82.9	174566	14	US-10-020-141-1	Sequence 1, Appl
22	17.4	82.9	174566	18	US-10-235-192A-37	Sequence 37, Appl
23	17	81.0	430	17	US-10-260-238-1821	Sequence 1821, Ap
24	17	81.0	2965	19	US-10-437-963-62475	Sequence 62475, A
25	17	81.0	5718	17	US-10-259-194A-85	Sequence 85, Appl
26	17	81.0	6148	19	US-10-437-963-3639	Sequence 3639, Ap
27	17	81.0	379652	21	US-10-481-613-71	Sequence 71, Appl
28	16.8	80.0	201	21	US-10-741-600-61359	Sequence 61359, A
29	16.8	80.0	508	10	US-09-918-995-11084	Sequence 11084, A
30	16.8	80.0	589	9	US-09-864-761-12367	Sequence 12367, A
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33	16.8	80.0	620	13	US-10-027-632-204967	Sequence 204967, A
34	16.8	80.0	620	13	US-10-027-632-204968	Sequence 204968, A
35	16.8	80.0	620	17	US-10-027-632-204965	Sequence 204965, A
36	16.8	80.0	620	17	US-10-027-632-204966	Sequence 204966, A
37	16.8	80.0	620	17	US-10-027-632-204967	Sequence 204967, A
38	16.8	80.0	620	17	US-10-027-632-204968	Sequence 204968, A
39	16.8	80.0	1136	18	US-10-424-599-135655	Sequence 135655, A
40	16.8	80.0	1349	18	US-10-424-599-77535	Sequence 77535, A
41	16.8	80.0	2445	17	US-10-369-493-36076	Sequence 36076, A
42	16.8	80.0	9428	15	US-10-017-161-1767	Sequence 1767, Ap
43	16.8	80.0	9428	17	US-10-292-798-1423	Sequence 1423, Ap
44	16.8	80.0	41853	21	US-10-741-600-17821	Sequence 17821, A
45	16.8	80.0	162450	15	US-10-071-179-1	Sequence 1, Appl
46	16.8	80.0	162450	16	US-10-126-704-1	Sequence 1, Appl
47	16.8	80.0	378361	20	US-09-901-136-3	Sequence 3, Appl
48	16.8	80.0	378361	20	US-10-483-329-3	Sequence 3, Appl
49	16.4	78.1	218	19	US-10-674-124A-5355	Sequence 5355, Ap
50	16.4	78.1	441	13	US-10-027-632-181718	Sequence 181718, A
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52	16.4	78.1	488	19	US-10-437-963-102313	Sequence 102313, A
53	16.4	78.1	587	21	US-10-487-901-6564	Sequence 6564, Ap
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66	16.4	78.1	702	13	US-10-027-632-229415	Sequence 229415, A
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68	16.4	78.1	1090	19	US-10-767-795-5783	Sequence 5783, Ap
69	16.4	78.1	32249	13	US-09-764-891-7619	Sequence 7619, Ap
70	16.4	78.1	42000	13	US-10-081-563-25	Sequence 25, Appl
71	16.4	78.1	118951	14	US-10-161-579-11	Sequence 11, Appl
72	16.4	78.1	133632	13	US-10-087-192-1810	Sequence 1810, Ap
73	16.4	78.1	260027	13	US-10-087-192-238	Sequence 238, Ap
74	16.4	78.1	392000	17	US-10-027-983-11	Sequence 11, Appl
75	16.4	78.1	392000	15	US-10-448-753-11	Sequence 11, Appl
76	16.4	78.1	465237	9	US-09-933-267A-1	Sequence 1, Appl
77	16.2	77.1	284	10	US-09-535-459-1458	Sequence 1458, Ap
78	16.2	77.1	323	9	US-09-960-352-7134	Sequence 7134, Ap
79	16.2	77.1	350	9	US-09-960-352-9988	Sequence 9988, Ap
80	16.2	77.1	373	9	US-09-764-877-3445	Sequence 3445, Ap



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c 82 16.2 77.1 384 9 US-09-960-352-1922 Sequence 1922, Ap  
c 83 16.2 77.1 401 9 US-09-960-352-14942 Sequence 14942, A  
c 84 16.2 77.1 404 10 US-09-918-995-34706 Sequence 34706, A  
c 85 16.2 77.1 411 9 US-09-960-352-6160 Sequence 6160, Ap  
c 86 16.2 77.1 413 9 US-09-960-352-6046 Sequence 6046, Ap  
c 87 16.2 77.1 417 9 US-09-960-352-9495 Sequence 9495, Ap  
c 88 16.2 77.1 423 9 US-09-960-352-5499 Sequence 5499, Ap  
c 89 16.2 77.1 423 9 US-09-960-352-8117 Sequence 8117, Ap  
c 90 16.2 77.1 423 9 US-09-960-352-8311 Sequence 8311, Ap  
c 91 16.2 77.1 427 9 US-09-960-352-10198 Sequence 10198, A  
c 92 16.2 77.1 430 9 US-09-864-761-3715 Sequence 3715, Ap  
c 93 16.2 77.1 440 9 US-09-960-352-752 Sequence 752, App  
c 94 16.2 77.1 458 9 US-09-960-352-11925 Sequence 11925, A  
c 95 16.2 77.1 460 19 US-10-674-124A-7903 Sequence 7903, Ap  
c 96 16.2 77.1 491 19 US-10-437-963-44098 Sequence 44098, A  
c 97 16.2 77.1 500 17 US-10-242-538A-1264 Sequence 1264, Ap  
c 98 16.2 77.1 500 18 US-10-085-783A-1264 Sequence 1264, Ap  
c 99 16.2 77.1 533 21 US-10-764-420-2617 Sequence 2617, Ap  
c 100 16.2 77.1 585 13 US-10-027-632-197906 Sequence 197906,

ALIGNMENTS

RESULT 1  
US-09-974-619B-24  
; Sequence 24, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Brin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; TITLE OF INVENTION: Phenotype  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974,619B  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-24

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RESULT 2  
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; Sequence 21935, Application US/09814353  
; Publication No. US20030165831A1  
; GENERAL INFORMATION:  
; APPLICANT: Lee, John  
; APPLICANT: Thompson, Pamela  
; APPLICANT: Lillie, James  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER  
; FILE REFERENCE: MRI-006B  
; CURRENT APPLICATION NUMBER: US/09/814,353  
; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: US 60/191,031  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/207,124  
; PRIOR FILING DATE: 2000-05-25  
; PRIOR APPLICATION NUMBER: US 60/211,940  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 60/216,820  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 60/220,661  
; PRIOR FILING DATE: 2000-07-25  
; PRIOR APPLICATION NUMBER: US 60/257,672  
; PRIOR FILING DATE: 2000-12-21  
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; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21935  
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; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1775\_1776  
; OTHER INFORMATION: n = A,T,C or G  
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Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CCTGCCTTCAATTTTCACTG 21  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1515 CCTGCCTTCAATTTTCACTG 1535

RESULT 3  
US-10-484-577-660  
; Sequence 660, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UG11A1  
; FILE REFERENCE: F2285PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; CURRENT FILING DATE: 2004-01-22  
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
; PRIOR FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 660  
; LENGTH: 177531  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-484-577-660

Query Match 100.0%; Score 21; DB 21; Length 177531;  
Best Local Similarity 100.0%; Pred. No. 23;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CCTGCCTTCAATTTTCACTG 21  
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Db 22719 CCTGCCTTCAATTTTCACTG 22739

RESULT 4  
US-10-027-632-78895  
; Sequence 78895, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 16:40:29 ; Search time 53.6531 Seconds  
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670.942 Million cell updates/sec

Title: US-09-974-619E-16

Perfect score: 22

Sequence: 1 tcaaaactgggtaaggaatg 22

Scoring table:

IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Issued Patents NA.\*

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- 2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*
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- 4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*
- 5: /cgn2\_6/ptodata/1/ina/PTCTUS\_COMB.seq.\*
- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	22	100.0	1707	4	US-09-023-655-1060
C 3	22	100.0	1707	4	US-09-049-016-1220
C 4	22	100.0	1707	4	US-09-049-016-1220
C 5	22	100.0	35803	4	US-09-049-016-11863
C 6	22	100.0	35804	4	US-09-049-016-12962
C 7	20.4	92.7	475	4	US-09-583-447A-35
C 8	20.4	92.7	1192	4	US-09-583-447A-9
C 9	20.4	92.7	1349	4	US-09-583-447A-5
C 10	20.4	92.7	1515	4	US-09-583-447A-3
C 11	20.4	92.7	1633	4	US-09-583-447A-7
C 12	20.4	92.7	1659	4	US-09-583-447A-1
C 13	20.4	92.7	1973	4	US-09-583-447A-11
C 14	18.8	85.5	2080	4	US-09-049-016-2690
C 15	18.8	85.5	34172	4	US-09-049-016-14432
C 16	18.8	85.5	103934	4	US-09-049-016-14433
C 17	17.4	79.1	601	4	US-09-049-016-199432
C 18	17.4	79.1	601	4	US-09-049-016-205911
C 19	17.4	79.1	601	4	US-09-049-016-205912
C 20	17.4	79.1	601	4	US-09-049-016-205913
C 21	17.4	79.1	74644	4	US-09-049-016-17556
C 22	17.4	79.1	102520	4	US-09-049-016-17367
C 23	17.4	79.1	102526	4	US-09-049-016-12448
C 24	16.8	76.4	601	4	US-09-049-016-23412
C 25	16.8	76.4	601	4	US-09-049-016-176597
C 26	16.8	76.4	44988	4	US-09-049-016-16354
C 27	16.8	76.4	55703	4	US-09-049-016-12007

C 28	16.8	76.4	55703	4	US-09-949-016-16781	Sequence 16781, A
C 29	16.8	76.4	150409	4	US-09-949-016-12290	Sequence 12290, A
C 30	16.8	76.4	150409	4	US-09-949-016-12290	Sequence 12290, A
C 31	16.8	76.4	161900	4	US-09-949-016-12685	Sequence 12685, A
C 32	16.8	76.4	161914	4	US-09-949-016-12685	Sequence 12685, A
C 33	16.8	76.4	462589	4	US-09-949-016-12906	Sequence 12906, A
C 34	16.8	76.4	476044	4	US-09-949-016-12900	Sequence 12900, A
C 35	16.8	76.4	1664976	4	US-09-949-016-12412	Sequence 12412, A
C 36	16.8	76.4	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 37	16.4	74.5	317	4	US-09-692-570-1	Sequence 1, Appli
C 38	16.4	74.5	12886	3	US-09-513-999C-28451	Sequence 28451, A
C 39	16.4	74.5	144322	4	US-09-453-702B-14	Sequence 14, Appl
C 40	16.2	73.6	301	3	US-09-053-021-3	Sequence 3, Appli
C 41	16.2	73.6	345	3	US-09-053-021-8	Sequence 8, Appli
C 42	16.2	73.6	601	4	US-09-949-016-158027	Sequence 158027, A
C 43	16.2	73.6	601	4	US-09-949-016-158028	Sequence 158028, A
C 44	16.2	73.6	601	4	US-09-949-016-158029	Sequence 158029, A
C 45	16.2	73.6	601	4	US-09-949-016-158030	Sequence 158030, A
C 46	16.2	73.6	601	4	US-09-949-016-180172	Sequence 180172, A
C 47	16.2	73.6	1131	4	US-09-248-796A-4331	Sequence 4331, Ap
C 48	16.2	73.6	1912	1	US-08-270-013B-1	Sequence 1, Appli
C 49	16.2	73.6	1912	1	US-08-838-418-1	Sequence 1, Appli
C 50	16.2	73.6	2691	4	US-09-949-016-5869	Sequence 5869, Ap
C 51	16.2	73.6	3219	4	US-09-509-800-3	Sequence 3, Appli
C 52	16.2	73.6	3713	4	US-09-949-016-513	Sequence 513, App
C 53	16.2	73.6	19310	4	US-09-949-016-17611	Sequence 17611, A
C 54	16.2	73.6	20795	4	US-09-949-016-17166	Sequence 17166, A
C 55	16.2	73.6	25814	4	US-09-949-016-16927	Sequence 16927, A
C 56	16.2	73.6	36620	4	US-09-949-016-16150	Sequence 16150, A
C 57	16.2	73.6	47555	4	US-09-949-016-16549	Sequence 16549, A
C 58	16.2	73.6	49673	4	US-09-949-016-12598	Sequence 12598, A
C 59	16.2	73.6	54878	4	US-09-949-016-12555	Sequence 12555, A
C 60	16.2	73.6	136058	4	US-09-949-016-12565	Sequence 12565, A
C 61	16.2	73.6	136480	4	US-09-949-016-17064	Sequence 17064, A
C 62	16.2	73.6	183770	4	US-09-949-016-15494	Sequence 15494, A
C 63	16.2	73.6	678533	4	US-09-949-016-14577	Sequence 14577, A
C 64	16.2	73.6	678533	4	US-09-949-016-14578	Sequence 14578, A
C 65	15.8	71.8	338	4	US-09-270-767-2858	Sequence 2858, Ap
C 66	15.8	71.8	338	4	US-09-270-767-18140	Sequence 18140, A
C 67	15.8	71.8	601	4	US-09-949-016-30717	Sequence 30717, A
C 68	15.8	71.8	601	4	US-09-949-016-30718	Sequence 30718, A
C 69	15.8	71.8	601	4	US-09-949-016-30719	Sequence 30719, A
C 70	15.8	71.8	601	4	US-09-949-016-49684	Sequence 49684, A
C 71	15.8	71.8	601	4	US-09-949-016-78696	Sequence 78696, A
C 72	15.8	71.8	601	4	US-09-949-016-78697	Sequence 78697, A
C 73	15.8	71.8	601	4	US-09-949-016-87473	Sequence 87473, A
C 74	15.8	71.8	601	4	US-09-949-016-87474	Sequence 87474, A
C 75	15.8	71.8	601	4	US-09-949-016-87475	Sequence 87475, A
C 76	15.8	71.8	601	4	US-09-949-016-109225	Sequence 109225, A
C 77	15.8	71.8	601	4	US-09-949-016-109226	Sequence 109226, A
C 78	15.8	71.8	601	4	US-09-949-016-116672	Sequence 116672, A
C 79	15.8	71.8	601	4	US-09-949-016-153268	Sequence 153268, A
C 80	15.8	71.8	601	4	US-09-949-016-167522	Sequence 167522, A
C 81	15.8	71.8	601	4	US-09-949-016-186633	Sequence 186633, A
C 82	15.8	71.8	897	4	US-09-573-080A-358	Sequence 358, App
C 83	15.8	71.8	902	4	US-09-573-080A-357	Sequence 357, App
C 84	15.8	71.8	916	1	US-08-562-311-3	Sequence 3, Appli
C 85	15.8	71.8	1407	4	US-09-328-352-1897	Sequence 1897, Ap
C 86	15.8	71.8	3372	1	US-07-906-349A-1	Sequence 1, Appli
C 87	15.8	71.8	3372	1	US-08-167-035-1	Sequence 1, Appli
C 88	15.8	71.8	3372	1	US-08-167-035-48	Sequence 48, Appli
C 89	15.8	71.8	3372	1	US-08-208-887A-1	Sequence 1, Appli
C 90	15.8	71.8	3372	2	US-08-539-005-1	Sequence 1, Appli
C 91	15.8	71.8	3372	2	US-08-539-005-48	Sequence 48, Appli
C 92	15.8	71.8	3372	2	US-09-344-521-1	Sequence 1, Appli
C 93	15.8	71.8	3372	3	US-09-280-598-1	Sequence 180, Appli
C 94	15.8	71.8	3372	4	US-09-963-137-180	Sequence 15016, A
C 95	15.8	71.8	19181	4	US-09-949-016-15016	Sequence 17041, A
C 96	15.8	71.8	21204	4	US-09-949-016-17041	Sequence 14950, A
C 97	15.8	71.8	24984	4	US-09-949-016-14950	Sequence 16045, A
C 98	15.8	71.8	39601	4	US-09-949-016-16045	Sequence 17275, A
C 99	15.8	71.8	40130	4	US-09-949-016-17275	Sequence 15135, A
C 100	15.8	71.8	41895	4	US-09-949-016-15135	



## ALIGNMENTS

RESULT 1  
US-09-023-655-1405/c  
; Sequence 1405, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION  
; NUMBER OF SEQUENCES: 1508

CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,655  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1405:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1599 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g438625

US-09-023-655-1405

Query Match 100.0%; Score 22; DB 4; Length 1599;  
Best Local Similarity 100.0%; Pred. No. 0.35;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1021 TCAAAACTGGGTAAGGAATG 1000

RESULT 2  
US-09-023-655-1060/c  
; Sequence 1060, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION

NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,655  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1060:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1707 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g181345

US-09-023-655-1060

Query Match 100.0%; Score 22; DB 4; Length 1707;  
Best Local Similarity 100.0%; Pred. No. 0.35;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 788 TCAAAACTGGGTAAGGAATG 767

## RESULT 3

US-09-949-016-121/c  
; Sequence 121, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 121  
; LENGTH: 1707  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-121



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OM nucleic - nucleic search, using sw model

Run on: September 23, 2005, 19:10:46 ; Search time 302.276 Seconds  
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486.627 Million cell updates/sec

Title: US-09-974-619E-16

Perfect score: 22

Sequence: 1 tcaaaactgggtaaggaatg 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7400704 seqs, 3343079526 residues

Total number of hits satisfying chosen parameters: 14801408

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications NA:\*

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- 17: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:\*
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- 23: /cgn2\_6/ptodata/1/pubpna/US11A\_PUBCOMB.seq:\*
- 24: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*
- 25: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 26: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 4	22	100.0	1525	9	US-09-880-107-3816
C 5	22	100.0	1595	15	US-10-106-698-1724
C 6	22	100.0	1599	18	US-10-641-643-1405
C 7	22	100.0	1707	9	US-09-880-107-2114

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Sequence 14240, A	US-10-450-763-14240	22	5799	100.0	22
Sequence 15174, A	US-10-450-763-15174	22	5799	100.0	22
Sequence 6846, Ap	US-10-450-763-6846	22	6637	100.0	22
Sequence 660, Ap	US-10-484-577-660	21	177531	92.7	20.4
Sequence 35, Appl	US-10-007-814-35	13	475	92.7	20.4
Sequence 9, Appl	US-10-007-814-9	13	1192	92.7	20.4
Sequence 5, Appl	US-10-007-814-5	13	1349	92.7	20.4
Sequence 3, Appl	US-10-007-814-3	13	1515	92.7	20.4
Sequence 25, Appl	US-10-274-694-25	15	1613	92.7	20.4
Sequence 34, Appl	US-10-332-448-34	15	1631	92.7	20.4
Sequence 25, Appl	US-10-332-448-25	15	1631	92.7	20.4
Sequence 34, Appl	US-10-332-448-34	15	1631	92.7	20.4
Sequence 7, Appl	US-10-007-814-7	13	1633	92.7	20.4
Sequence 1, Appl	US-10-007-814-1	13	1659	92.7	20.4
Sequence 188, Ap	US-10-112-944-188	13	1915	92.7	20.4
Sequence 11, Appl	US-10-007-814-11	13	1973	92.7	20.4
Sequence 71801, A	US-10-972-079-71801	22	600	85.5	18.8
Sequence 301, Ap	US-10-335-053-301	20	1608	85.5	18.8
Sequence 184, Ap	US-09-954-456-184	9	1971	85.5	18.8
Sequence 1589, Ap	US-09-880-107-1589	9	1971	85.5	18.8
Sequence 2, Appl	US-09-957-997-2	9	1971	85.5	18.8
Sequence 651, Ap	US-09-873-367C-651	10	1971	85.5	18.8
Sequence 651, Ap	US-10-843-641A-651	21	1971	85.5	18.8
Sequence 3211, Ap	US-10-843-641A-3211	21	1971	85.5	18.8
Sequence 70, Appl	US-10-296-995-70	22	15	81.8	17.8
Sequence 4823, Ap	US-10-430-201-4823	19	360	80.9	17.8
Sequence 4824, Ap	US-10-430-201-4824	19	360	80.9	17.8
Sequence 43891, A	US-10-437-963-43891	19	523	80.9	17.8
Sequence 277096,	US-10-027-632-277096	17	556	80.9	17.8
Sequence 277096,	US-10-027-632-277096	17	556	80.9	17.8
Sequence 471, Appl	US-10-343-710-41	18	2818	80.9	17.8
Sequence 42, Appl	US-10-343-710-42	18	4672	80.9	17.8
Sequence 193, Ap	US-09-997-722-193	41	92726	80.9	17.8
Sequence 5611, Ap	US-10-741-601-5611	13	253861	80.9	17.8
Sequence 2002, Ap	US-10-087-192-2002	19	261817	80.9	17.8
Sequence 24, Appl	US-10-450-826-24	19	129722	79.1	17.4
Sequence 844, Ap	US-10-723-860-844	20	129722	79.1	17.4
Sequence 12, Appl	US-10-737-082-12	22	129722	79.1	17.4
Sequence 30, Appl	US-10-737-082-30	22	129722	79.1	17.4
Sequence 30, Appl	US-10-737-082-30	22	129722	79.1	17.4
Sequence 3267, Ap	US-09-960-352-3267	9	404	78.2	17.2
Sequence 3004, Ap	US-09-960-352-3004	9	416	78.2	17.2
Sequence 9144, Ap	US-09-960-352-9144	9	416	78.2	17.2
Sequence 8421, Ap	US-09-960-352-8421	9	417	78.2	17.2
Sequence 8593, Ap	US-10-027-632-8593	13	735	78.2	17.2
Sequence 166228,	US-10-027-632-166228	13	871	78.2	17.2
Sequence 120585,	US-10-027-632-120585	13	871	78.2	17.2
Sequence 120585,	US-10-027-632-120585	13	871	78.2	17.2
Sequence 17173, A	US-10-282-122A-17173	17	1200	78.2	17.2
Sequence 138382,	US-10-425-115-138382	19	3047	78.2	17.2
Sequence 68224, A	US-10-425-115-68224	19	4248	78.2	17.2
Sequence 122145,	US-10-425-115-122145	18	537	76.4	16.8
Sequence 75203, A	US-10-027-632-75203	13	537	76.4	16.8
Sequence 299769,	US-10-027-632-299769	17	542	76.4	16.8
Sequence 75203, A	US-10-027-632-75203	17	542	76.4	16.8
Sequence 299769,	US-10-027-632-299769	17	542	76.4	16.8
Sequence 78669, A	US-10-425-115-78669	20	549	76.4	16.8
Sequence 3045, Ap	US-09-969-034-3045	11	567	76.4	16.8
Sequence 109, Ap	US-10-052-283-109	14	573	76.4	16.8
Sequence 139814,	US-10-424-599-139814	18	600	76.4	16.8
Sequence 5729, Ap	US-10-363-345A-5729	20	600	76.4	16.8
Sequence 5729, Ap	US-10-363-345A-5729	20	600	76.4	16.8
Sequence 5730, Ap	US-10-363-483A-5730	21	600	76.4	16.8
Sequence 40204, A	US-10-363-493-40204	17	1372	76.4	16.8
Sequence 10596, A	US-10-282-122A-10596	17	1290	76.4	16.8
Sequence 53, Appl	US-10-239-676-53	14	17421	76.4	16.8
Sequence 55, Appl	US-10-240-453-55	15	17421	76.4	16.8



81 16.8 76.4 43436 19 US-10-741-601-5638 Sequence 5638, Ap  
C 82 16.8 76.4 57665 19 US-10-741-601-5662 Sequence 5662, Ap  
C 83 16.8 76.4 65621 13 US-10-087-192-832 Sequence 832, App  
C 84 16.8 76.4 152501 19 US-10-316-231-4 Sequence 4, Appl  
C 85 16.8 76.4 295096 13 US-10-087-192-331 Sequence 331, App  
C 86 16.4 74.5 426 18 US-10-424-599-40311 Sequence 40311, A  
C 87 16.4 74.5 438 18 US-10-425-114-9563 Sequence 9563, Ap  
C 88 16.4 74.5 483 15 US-10-002-623-884 Sequence 884, App  
C 89 16.4 74.5 490 13 US-10-027-632-317026 Sequence 317026,  
C 90 16.4 74.5 490 13 US-10-027-632-317027 Sequence 317027,  
C 91 16.4 74.5 490 17 US-10-027-632-317026 Sequence 317026,  
C 92 16.4 74.5 490 17 US-10-027-632-317027 Sequence 317027,  
C 93 16.4 74.5 512 18 US-10-424-599-132389 Sequence 132389,  
C 94 16.4 74.5 3198 18 US-10-424-599-49231 Sequence 49231, A  
C 95 16.4 74.5 3198 18 US-10-425-114-23911 Sequence 23911, A  
C 96 16.4 74.5 12886 14 US-10-114-170-14 Sequence 14, Appl  
C 97 16.4 74.5 28670 17 US-10-034-650-16 Sequence 16, Appl  
C 98 16.2 73.6 192 21 US-10-721-793-103 Sequence 103, App  
C 99 16.2 73.6 198 21 US-10-721-793-67 Sequence 67, Appl  
C 100 16.2 73.6 198 21 US-10-721-793-91 Sequence 91, Appl

## ALIGNMENTS

## RESULT 1

US-09-974-619B-16  
; Sequence 16, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE OF INVENTION: Phenotype  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974, 619B  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR FILING DATE: 2002-03-29  
; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-16

Query Match 100.0%; Score 22; DB 10; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1.2;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAAACTGGGTAAAGGAATG 22  
| | | | | | | | | | | | | | | | | | | | | |  
DB 1 TCAAAACTGGGTAAAGGAATG 22

## RESULT 2

US-09-974-619B-18/c  
; Sequence 18, Application US/09974619B  
; Publication No. US20030143537A1  
; GENERAL INFORMATION:  
; APPLICANT: Schuetz, Erin  
; APPLICANT: Zhang, Joing  
; APPLICANT: Assem, Mahfoud  
; TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5  
; FILE OF INVENTION: Phenotype  
; FILE REFERENCE: 44158/244344  
; CURRENT APPLICATION NUMBER: US/09/974, 619B  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/279,915

; PRIOR FILING DATE: 2001-03-29  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-09-974-619B-18

Query Match 100.0%; Score 22; DB 10; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1.2;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAAACTGGGTAAAGGAATG 22  
| | | | | | | | | | | | | | | | | | | | | |  
DB 22 TCAAAACTGGGTAAAGGAATG 1

## RESULT 3

US-10-696-639-1714/c  
; Sequence 1714, Application US/10696639  
; Publication No. US20050037439A1  
; GENERAL INFORMATION:  
; APPLICANT: Pharmacia Corporation  
; APPLICANT: Bourner, Maureen J.  
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE  
; FILE OF INVENTION: POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME  
; FILE REFERENCE: 01040/1  
; CURRENT APPLICATION NUMBER: US/10/696,639  
; PRIOR FILING DATE: 2003-10-29  
; PRIOR APPLICATION NUMBER: 60/422,176  
; PRIOR FILING DATE: 2002-10-29  
; NUMBER OF SEQ ID NOS: 3114  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1714  
; LENGTH: 441  
; TYPE: DNA  
; ORGANISM: homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (99)..(112)  
; OTHER INFORMATION: n=unknown  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (397)..(397)  
; OTHER INFORMATION: n=unknown  
US-10-696-639-1714

Query Match 100.0%; Score 22; DB 21; Length 441;  
Best Local Similarity 100.0%; Pred. No. 1.7;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAAACTGGGTAAAGGAATG 22  
| | | | | | | | | | | | | | | | | | | | | |  
DB 249 TCAAAACTGGGTAAAGGAATG 228

## RESULT 4

US-09-880-107-3816/c  
; Sequence 3816, Application US/09880107  
; Patent No. US20030142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379